



SOLAR DRIVE

PRODUCT SELECTION GUIDE

Simplifying Solar. **FOR LIFE.**



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Pentair Pentek* Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 5 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	7.6	2000	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	7.5	1980	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	7.3	1930	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	7	1850	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	6.8	1790	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
200	7.2	1670	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	7	1620	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	6.8	1570	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	6.6	1520	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	6.4	1480	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7	2310	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		1850	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	6.8	2240	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		1800	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	6.6	2178	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		1740	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	6.4	2110	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		1690	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	6.9	1820	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3190	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	6.8	1800	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3140	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	6.7	1760	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3090	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	6.4	1690	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		2960	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	6.1	1610	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		2820	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.1	3740	L5P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		3740	L5P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek[®] Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 7 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	9.7	2,560	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	9.3	2,460	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	8.9	2,350	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	8.6	2,270	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	8.1	2,140	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1	-
200	8.8	2,040	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	8.5	1,960	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	8.2	1,890	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7.9	1,820	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	7.6	1,760	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	8.6	2,840	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		2,270	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	8.3	2,740	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		2,190	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	8.1	2,670	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2,140	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	7.8	2,580	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2,060	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	8.1	2,140	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,740	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	7.9	2,090	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,650	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	7.7	2,030	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,560	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	7.5	1,980	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,460	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	7.3	1,930	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,370	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.5	3,930	L7P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		3,930	L7P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 10 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
120	13.8	3,640	L10P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
170	13.7	3,160	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
180	13.3	3,070	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	13	3,000	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
200	12.6	2,910	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	14	4,620	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,690	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
200	13.7	4,520	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,620	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
210	13.4	4,420	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,540	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
220	13.1	4,320	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,460	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
260	13.7	3,620	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		6,330	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
280	13.3	3,510	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		6,140	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
300	12.8	3,380	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		5,910	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.3	3,250	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		5,680	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.9	5,960	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
340	12.6	5,820	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
360	12.2	5,640	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
380	11.8	5,450	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
400	11.4	5,270	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
460	12.9	5,960	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
480	12.6	5,820	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
500	12.4	5,730	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
520	12.2	5,640	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
540	12	5,540	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
550	11.8	5,450	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 15 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
100	16.3	4,300	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
120	14.7	3,880	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
140	12.8	3,380	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
160	10.5	2,770	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
180	7.5	1,980	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1
120	17.1	3,950	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
140	15.9	3,670	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	14.7	3,390	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
180	13.3	3,070	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	16.9	5,580	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		4,460	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
180	15.9	5,250	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		4,200	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
200	14.8	4,880	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		3,900	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	13.6	4,490	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		3,590	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	15.5	4,090	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		7,160	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
240	14.7	3,880	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		6,790	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
260	13.7	3,620	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		6,330	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
300	16.9	7,800	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		7,800	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
350	14.4	6,650	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		6,650	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
400	17.8	8,220	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
450	16.6	7670	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
500	15	6,930	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 20 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
80	26.9	6210	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
90	26	6010	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
110	25.5	6730	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		8410	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
120	24.7	6520	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		8150	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
130	23.8	6280	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		7850	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
140	26.8	7080	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		12380	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	26.2	6920	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		12100	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
160	25.6	6760	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		11830	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
180	27.1	12520	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		12520	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	26	12010	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		12010	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
220	25	11550	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		11550	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
260	27.3	14410	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
280	26.6	14040	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	25.3	13360	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 3**

NOMINAL/BEP FLOW 30 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
80	39.1	10320	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		12900	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	36.8	9710	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		12140	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
125	32.5	8580	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		10720	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	37.5	9900	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		17320	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
125	34.1	9000	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		15750	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	30.9	8160	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		14270	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
175	34.7	16030	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		16030	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	31.6	14600	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		14600	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	23.7	10950	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		10950	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	35.5	16400	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	32	14780	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
350	27.3	12610	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

NOMINAL/BEP FLOW 50 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
60	62.5	16500	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		28870	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	59.3	15650	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		27390	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	67.4	31140	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
80	62	28640	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
90	59	27260	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
100	63.6	29380	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
110	61.6	28460	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
120	59.3	27400	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 5 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	7.6	3010	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	7.5	2970	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	7.3	2890	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	7	2770	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	6.8	2690	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
200	7.2	2370	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	7	2310	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	6.8	2240	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	6.6	2170	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	6.4	2110	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7	3230	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		2540	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	6.8	3140	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		2460	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	6.6	3050	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2390	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	6.4	2950	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2320	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	6.9	2960	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3640	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	6.8	2920	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3590	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	6.7	2870	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3540	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	6.4	2750	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3380	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	6.1	2620	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3220	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.1	4280	L5P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		4280	L5P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek[®] Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 7 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	9.7	3,840	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	9.3	3,680	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	8.9	3,540	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	8.6	3,400	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	8.1	3,210	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1	-
200	8.8	2,900	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	8.5	2,810	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	8.2	2,700	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7.9	2,600	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	7.6	2,510	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	8.6	3,970	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,120	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	8.3	3,830	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		3,010	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	8.1	3,740	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2,940	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	7.8	3,600	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	Y
		2,830	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	8.1	3,470	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,280	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	7.9	3,390	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,170	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	7.7	3,300	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,060	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	7.5	3,120	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		1,940	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	7.3	3,130	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3,850	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.5	4,490	L7P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		4,490	L7P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 10 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
120	13.8	5,470	L10P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
170	13.7	4,520	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
180	13.3	4,390	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	13	4,290	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
200	12.6	4,160	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	14	6,470	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		5,080	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
200	13.7	6,330	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		4,970	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
210	13.4	6,190	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		4,860	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
220	13.1	6,050	L10P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1	-
		4,750	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
260	13.7	5,880	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		7,230	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
280	13.3	5,700	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		7,020	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
300	12.8	5,490	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		6,760	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.3	5,280	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		6,490	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.9	6,810	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
340	12.6	6,650	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
360	12.2	6,440	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
380	11.8	6,230	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
400	11.4	6,020	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
460	12.9	6,810	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
480	12.6	6,650	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
500	12.4	6,550	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
520	12.2	6,440	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
540	12	6,340	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
550	11.8	6,230	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 15 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
100	16.3	6,450	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
120	14.7	5,820	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
140	12.8	5,070	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
160	10.5	4,160	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
180	7.5	2,970	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1
120	17.1	5,640	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
140	15.9	5,247	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	14.7	4,850	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
180	13.3	4,390	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	16.9	7,810	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		6,130	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
180	15.9	7,340	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		5,770	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
200	14.8	6,840	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		5,370	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	13.6	6,280	L15P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		4,940	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	15.5	6,650	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		8,180	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
240	14.7	6,300	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		7,760	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
260	13.7	5,870	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		7,530	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
300	16.9	8,920	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		8,920	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
350	14.4	7,600	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		7,600	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
400	17.8	9,400	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
450	16.6	8760	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
500	15	7,920	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 20 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
80	26.9	8880	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
90	26	8580	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
110	25.5	11780	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		9260	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
120	24.7	11410	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		8970	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
130	23.8	11000	L20P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		8640	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
140	26.8	11500	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		14150	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	26.2	11240	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		13830	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
160	25.6	10980	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		13520	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
180	27.1	14310	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		14310	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	26	13730	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		13730	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
220	25	13200	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		13200	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
260	27.3	14420	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
280	26.6	14040	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	25.3	13360	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 4**

NOMINAL/BEP FLOW 30 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) [^]	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
80	39.1	18060	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		14190	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	36.8	17000	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		13360	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
125	32.5	15010	L30P4EH/MGS	P43B0010A3	3	1	PSD15	7	2275	PVRACK3, PVRACK4	2	1
		11800	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	37.5	16090	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		19800	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
125	34.1	14630	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		18000	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	30.9	13260	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		16310	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
175	34.7	18320	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		18320	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	31.6	16680	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		16680	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	23.7	12510	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		12510	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	35.5	18740	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	32	16900	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
350	27.3	14410	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

NOMINAL/BEP FLOW 50 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) [^]	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
60	62.5	26810	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		33000	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	59.3	25440	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		31310	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	67.4	35590	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
80	62	32740	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
90	59	31150	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
			L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
100	63.6	33580	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
110	61.6	32520	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
120	59.3	31310	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

[^]Assumes annual average sun irradiance

^{^^}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 5 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	7.6	3260	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	7.5	3210	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	7.3	3130	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	7	3000	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	6.8	2910	L5P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
200	7.2	2850	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	7	2772	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	6.8	2690	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	6.6	2610	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	6.4	2530	L5P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7	2770	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		3230	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	6.8	2690	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		3140	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	6.6	2610	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	Y
		3050	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	6.4	2530	L5P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	Y
		2950	S5P4HS10231 / B5PHMS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	6.9	3650	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4300	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	6.8	3560	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4260	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	6.7	3540	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4200	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	6.4	3380	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4000	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	6.1	3220	L5P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		3800	S5P4HS15231 / B5P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.1	5070	L5P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		5070	L5P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek[®] Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 7 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
100	9.7	3,840	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
120	9.3	3,680	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
140	8.9	3,810	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
160	8.6	3,680	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
180	8.1	3,470	L7P4CHL/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1	-
200	8.8	3,480	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
220	8.5	3,360	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
240	8.2	3,240	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	7.9	3,120	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
280	7.6	3,000	L7P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
260	8.6	3,400	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		3,970	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
280	8.3	3,280	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		3,830	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
300	8.1	3,200	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	Y
		3,742	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
320	7.8	3,080	L7P4EHL/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	Y
		3,600	S7P4HS10231 / B7P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
360	8.1	4,280	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		5,080	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
380	7.9	4,170	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,950	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
400	7.7	4,070	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,800	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
420	7.5	3,960	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,700	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	7.3	3,850	L7P4FHL/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		4,570	S7P4HS15231 / B7P4MS15230	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
440	8.5	5,320	L7P4GHL/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
		5,320	L7P4GHL/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 10 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect	PV Filter ^{AA}
120	13.8	5,900	L10P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1	-
170	13.7	5,400	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
180	13.3	5,260	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	13	5,100	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
200	12.6	4,990	L10P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1	-
190	14	5,500	L10P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		6,460	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
200	13.7	5,400	L10P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		6,300	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
210	13.4	5,300	L10P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		6,100	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
220	13.1	5,180	L10P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1	-
		6,000	S10P4HS10231 / B10P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	-	
260	13.7	7,240	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		8,580	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
280	13.3	7,020	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	-
		8,300	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
300	12.8	6,760	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		8,000	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.3	6,490	L10P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1	Y
		7,700	S10P4HS15231 / B10P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	-	
320	12.9	8,000	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
340	12.6	7,900	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
360	12.2	7,650	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
380	11.8	7,400	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
400	11.4	7,150	L10P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-	-
			L10P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-	-
460	12.9	7,200	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
480	12.6	7,050	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
500	12.4	6,950	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
520	12.2	6,850	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
540	12	6,700	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-
550	11.8	6,600	L10P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 15 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
100	16.3	6,990	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
120	14.7	6,300	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
140	12.8	5,490	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
160	10.5	4,500	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK4	1	1
180	7.5	3,210	L15P4CH/MGS	P43B0005A3	3	1/2	PSD15	4	1300	PVRACK5	1	1
120	17.1	6,770	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
140	15.9	6,290	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	14.7	5,820	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
180	13.3	5,260	L15P4DHL/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
160	16.9	6,690	L15P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		7,800	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
180	15.9	6,290	L15P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		7,340	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
200	14.8	5,860	L15P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		6,830	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	13.6	5,380	L15P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		6,280	S15P4HS10231 / B15P4MS10231	1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-	
220	15.5	8,180	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		9,700	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
240	14.7	7,760	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		9,200	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
260	13.7	7,240	L15P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		8,550	S15P4HS15231 / B15P4MS15231	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-	
300	16.9	10,590	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		10,590	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
350	14.4	9,020	L15P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		9,020	L15P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
400	17.8	9,980	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
450	16.6	9310	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
500	15	8,415	L15P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 20 GPM

Head	Estimated Flow	GPD	Pump	Motor	Phase	Rated HP	Drive	Panels	Minimum Solar PV Power [W]	Rack	Jumper Cables	DC Disconnect
80	26.9	10650	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
90	26	10300	L20P4DH/MGS	P43B0007A3	3	3/4	PSD15	5	1625	PVRACK5	1	1
110	25.5	10100	L20P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		11780	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
120	24.7	9780	L20P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		11410	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
130	23.8	9420	L20P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		10990	S20P4HS10231 / B20P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
140	26.8	14150	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		16800	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	26.2	13830	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		16400	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
160	25.6	13520	L20P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		16050	S20P4HS15231 / B20P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
180	27.1	16900	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		16900	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	26	16300	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		16300	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
220	25	15600	L20P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		15600	L20P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
260	27.3	15300	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
280	26.6	14900	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	25.3	14200	L20P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

*Assumes annual average sun irradiance

**PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

Pentair Pentek* Solar Drives for **ZONE 5**

NOMINAL/BEP FLOW 30 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
80	39.1	15480	L30P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		18060	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	36.8	14570	L30P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		17000	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
125	32.5	12870	L30P4EH/MGS	P43B0010A3	3	1	PSD15	6	1950	PVRACK6	2	1
		15010	S30P4HS10231 / B30P4MS10231		1	1	PSD30	7	2275	PVRACK3, PVRACK4	2	-
100	37.5	19800	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		23500	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
125	34.1	18000	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		21350	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
150	30.9	16320	L30P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		19350	S30P4HS15231 / B30P4MS15231		1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
175	34.7	21750	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		21750	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
200	31.6	19810	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		19810	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	23.7	14850	L30P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		14850	L30P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
250	35.5	19910	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
300	32	17950	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
350	27.3	15310	L30P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

NOMINAL/BEP FLOW 50 GPM

Head (TDH)	Estimated Flow	Gallons per Day (GPD) ^A	Recommended Pentair Pump	Motor	Phase	Rated HP	Pentair Pentek Solar Drive	Recommended # of Panels	Minimum Solar PV Power [W]	Recommended Rack and Qty.	Recommended # of Jumper Cables	DC Disconnect
60	62.5	33000	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		39150	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	59.3	31310	L50P4FH/MGS	P43B0015A3	3	1 1/2	PSD15	8	2600	PVRACK4 x2	2	1
		37150	L50P4FH/MGS	P43B0015A2	1	1 1/2	PSD30	12	3900	PVRACK6 x2	4	-
70	67.4	42250	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		42250	L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
80	62	38870	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		38870	L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
90	59	36990	L50P4GH/MGS	P43B0020A3	3	2	PSD30	14	4550	PVRACK4 x4	4	-
		36990	L50P4GH/MGS	P43B0020A2	1	2	PSD30	16	5200	PVRACK4 x4	4	-
100	63.6	35670	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
110	61.6	34550	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-
120	59.3	33260	L50P4HH/MGS	P43B0030A3	3	3	PSD30	16	5200	PVRACK4 x4	4	-

^AAssumes annual average sun irradiance

^{AA}PV filter box is recommended for power cable lengths between PSD15 and pump longer than 300ft

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