

# Technical Specifications

MODEL	14	20	30	45	60	100	125	200
Standby kW @ (480 vac) 3 Phase	14	20	30	45	60	100	125	200
Prime kW @ (480 vac) 3 Phase	12	16	24	40	54	90	112	180
Standby kVa @ (480 vac) 3 Phase	17.5	25	37.5	56	75	125	156	250
Prime kVa @ (480 vac) 3 Phase	15	20	30	50	67	112	140	225
Standby kW @ (240 vac) 1 Phase	14	20	30	45	60	100	125	200
Prime kW @ (240 vac) 1 Phase	12	16	24	40	54	90	112	180
Standby kVa @ (240 vac) 1 Phase	14	20	30	45	60	100	125	200
Prime kVa @ (240 vac) 1 Phase	12	16	24	40	54	90	112	180
<b>Amps (Standby)</b>								
Single Phase 240V	58.3	83.3	125	187	250	416	520	833
Three Phase 208V	48.5	69.4	104	156	208	346	433	693
Three Phase 240V	42.1	60.1	90	135	180	300	375	601
Three Phase 480V	21	30	45	67	90	150	187	300
Peak Starting Kva @ 30% Dip 480V	42	116	120	140	240	340	360	450
Peak Starting Kva @ 30% Dip 240V	42	116	120	140	240	340	360	580
Engine Make	Perkins	Perkins	Perkins	Perkins	Perkins	Perkins	John Deere	Perkins
Number of Cylinders	3	4	4	4	4	4	4	6
Aspiration	Natural	Natural	Natural	Natural	Turbo	Turbo	Turbo	Turbo
Displacement—Cu. In. (lit)	91 (1496c.c.)	135 (2216c.c.)	202 (3.3)	269(4.4)	269(4.4)	269(4.4)	275 (4.5)	530 (8.7)
Bore—in. (mm) x stroke—in. (mm)	3.3 (84)/3.5 (90)	3.3 (84)/3.94 (100)	4.13 (105)/5 (127)	4.13 (105)/5 (127)	4.13 (105)/5 (127)	4.13 (105)/5 (127)	4.19 (106)/ 5 (127)	4.59 (116)/5.35 (135.9)
Rated RPM	1800	1800	1800	1800	1800	1800	1800	1800
Maximum Power at Rated RPM - bhp(kW)	21.2 (15.9)	30.3 (22.6)	47 (35)	68.5 (51)	127 (95)	150 (112)	192 (143)	296 (220)
Battery Voltage	12	12	12	12	12	12	12	12
Alternator Amps	51	51	51	51	51	51	51	65
Frequency Control	Mech	Mech	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Fuel Consumption:								
Fuel Consumption @ 25% Load: Gallons/hr (Liters/hr)	.45 (1.7)	.70 (2.6)		1.64 (6.2)	1.9 (7.1)	2.7 (10.3)	2.8 (10.7)	4.4 (16.8)
Fuel Consumption @ 50% Load: Gallons/hr (Liters/hr)	.63 (2.4)	.92 (3.5)	1.3 (4.9)	1.82 (6.9)	2.4 (9.0)	3.7 (14.1)	5.3 (19.9)	7.0 (26.5)
Fuel Consumption @ 75% Load: Gallons/hr (Liters/hr)	.87 (3.3)	1.27 (4.8)	1.9 (7.1)	2.51 (9.5)	3.3 (12.6)	5.3 (20.2)	9.1 (28.9)	10.2 (38.5)
Fuel Consumption @ 100% Load: Gallons/hr (Liters/hr)	1.27 (4.8)	1.93 (7.3)	2.4 (9.1)	3.67 (13.9)	4.7 (17.8)	7.8 (29.7)	10.4 (39.3)	15.0 (56.9)
Fuel Tank Size Standard	100 Gallons	100 Gallons	150 Gallons	150 Gallons	150 Gallons	150 Gallons	150 Gallons	500 gallons
<b>Service Details</b>								
Size of Electric Motors if two are started seperately	7hp	10hp	15hp	20hp	30hp	50hp	60hp	100hp (A)
Maximum Eelectrical Service Size	250	250	400	400	400	400	400	800
Maximum Transfer Switch Size	225	225	400	400	400	400	400	800
Sound Pressure Levels @ 21 feet (7 meters)	68	70	68	68	69	70	70	73
<b>Enclosed Dimensions</b>								
Length ins. (cm)	109.5 (278.13)	109.5 (278.13)	136 (345.44)	136 (345.44)	136 (345.44)	136 (345.44)	136 (345.44)	159.24 (404.47)
Width ins. (cm)	50.63 (128.6)	50.63 (128.6)	63.75 (161.93)	63.75 (161.93)	63.75 (161.93)	63.75 (161.93)	63.75 (161.93)	71.75 (182.25)
Height ins. (cm)	64.51 (163.85)	64.51 (163.85)	68.98 (175.21)	68.98 (175.21)	68.98 (175.21)	68.98 (175.21)	68.98 (175.21)	98.42 (249.99)
Weight (dry) lbs. (Kg)	2800 (1273)	3000 (1364)	3500 (1591)	3660 (1664)	3760 (1709)	3850 (1750)	4000 (1818)	5700 (2591)
Recommended Pad Dimension (L x W) ins.	112 x 37(284.48 x 94)	112 x 37(284.48 x 94)	139 x 38 (353.01 x 96.52)	139 x 38 (353.01 x 96.52)	139 x 38 (353.01 x 96.52)	139 x 38 (353.01 x 96.52)	139 x 38 (353.01 x 96.52)	162 x 49 (B)
Height from ground to bottom of Service Disconnet. ins.	35.39 (89.89)	35.39 (89.89)	23.18 (58.88)	23.18 (58.88)	23.18 (58.88)	23.18 (58.88)	23.18 (58.88)	42.94 (109.07) (B)

(A) = Soft Start Device

(B) = Based on 400amp Service