

ENGINE RATING

All data represent net performance with standard accessories such as air cleaner, inlet/exhaust manifolds, fuel oil system, L.O. pump, etc. under the condition of 29,38 in. (746mm) Hg barometric pressure, 85°F (29,4°C) ambient temperature and 0,38 in. (9,7mm) Hg vapor pressure.

ITEM	UNIT	STAND BY POWER			PRIME POWER		
Engine speed	rpm	1800	1500	1200	1800	1500	1200
Brake Horse Power without Fan	HP (kW)	1769 (1320)	1635 (1220)	1126 (840)	1595 (1190)	1488 (1110)	1019 (760)
Brake Mean Effective Pressure without Fan	kgf/cm2 (psi)	18.3 (260)	20.3 (289)	17.5 (249)	16.5 (235)	18.5 (263)	15.8 (225)
Mean Piston Speed	m/s (ft/min)	10.8 (2126)	9 (1772)	7.2 (1417)	10.8 (2126)	9 (1772)	7.2 (1417)
Maximum Regenerative Power Absorption Capacity without Fan	HP (kW)	193 (144)	141 (105)	97 (72)	193 (144)	141 (105)	97 (72)
Intake Air Flow	m3/min (CFM)	110 (3884)	99 (3496)	67 (2366)	98 (3460)	90 (3178)	61 (2154)
Exhaust Gas Flow	m3/min (CFM)	290 (10240)	261 (9216)	177 (6250)	260 (9181)	238 (8101)	160 (5650)
Coolant Flow	liter/min (U.S. GPM)	1850 (489)	1650 (436)	1300 (343)	1850 (489)	1650 (436)	1300 (343)
Coolant Flow to Intercooler (TK only)	liter/min (U.S. GPM)						
Cooling Air Flow (Std. Only)	m3/min (CFM)	1800 (63558)	1800 (63558)	1410 (49787)	1800 (63558)	1800 (63558)	1410 (49787)
Fan Loss Horse Power (Std. Fan)	HP (kW)	67 (50)	40 (30)	27 (20)	67 (50)	40 (30)	27 (20)
Radiated Heat to Ambient	kcal/hr (BTU/min)	82572 (5460)	74296 (4913)	50170 (3338)	73957 (4891)	67616 (4471)	45674 (3020)
Heat Rejection to Coolant	kcal/hr (BTU/min)	688100 (45504)	619129 (40943)	420585 (27813)	616310 (40757)	563465 (37262)	38061 8 (25170)
Heat Rejection to Intercooler (TK version)	kcal/hr (BTU/min)						
Heat Rejection to Exhaust	kcal/hr (BTU/min)	846739 (55995)	734077 (48545)	488844 (32327)	751623 (49705)	668077 (44180)	44239 1 (29255)
Noise Level (1m height & distance, excludes Intake, Exhaust & Fan)	dB(A)						

The specification are subject to change without notice.

MITSUBISHI S12R-PTA-2

SPECIFICATION SHEET

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ITEM	UNIT	STAND BY POWER			PRIME POWER		
Engine speed	rpm	1800	1500		1800	1500	
Brake Horse Power without Fan	HP (kW)	1972 (1470)	1765 (1315)		1800 (1340)	1604 (1195)	
Brake Mean Effective Pressure without Fan	kgf/cm2 (psi)	20.4 (290)	21.8 (310)		18.6 (264)	19.9 (283)	
Mean Piston Speed	m/s (ft/min)	10.8 (2126)	9 (1772)		10.8 (2126)	9 (1772)	
Maximum Regenerative Power Absorption Capacity without Fan	HP (kW)	193 (144)	141 (105)		193 (144)	141 (105)	
Intake Air Flow	m3/min (CFM)	124 (4578)	108 (3813)		114 (4025)	98 (3460)	
Exhaust Gas Flow	m3/min (CFM)	329 (11671)	285 (10063)		30 (10593)	259 (9145)	
Coolant Flow	liter/min (U.S. GPM)	1850 (489)	1650 (436)		1850 (489)	1650 (436)	
Coolant Flow to Intercooler (TK only)	liter/min (U.S. GPM)						
Cooling Air Flow (Std. Only)	m3/min (CFM)	1800 (63558)	1800 (63558)		1800 (63558)	1800 (63558)	
Fan Loss Horse Power (Std. Fan)	HP (kW)	67 (50)	40 (30)		67 (50)	40 (30)	
Radiated Heat to Ambient	kcal/hr (BTU/min)	93562 (6185)	81014 (5357)		85374 (5645)	73624 (4868)	
Heat Rejection to Coolant	kcal/hr (BTU/min)	779433 (51539)	675313 (44641)		711450 (47044)	613530 (40569)	
Heat Rejection to Intercooler (TK version)	kcal/hr (BTU/min)						
Heat Rejection to Exhaust	kcal/hr (BTU/min)	97531 (64771)	811900 (53686)		894096 (59121)	737840 (48789)	

Noise Level (1m height & distance, excludes Intake, Exhaust & Fan)	dB(A)						
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