

Motor Data Sheet

Guaranteed values are noted in [brackets]

Specified Requirements & Frame Data

Power, HP:	350	Frame:	5011
Service Factor:	1.15	Type:	CMZ
Voltage:	2300 / 4000	Rotor Construction:	Aluminum Die Cast
Number of Phases:	3	Load Inertia (wk ²), lb-ft ² :	3723
Frequency, Hz:	60	Rotor Inertia (wk ²), lb-ft ² :	160.0
Ambient, °C:	40	Rotor Weight, lbs:	1067
Enclosure:	TEFC	Motor Weight, lbs:	4775
Synchronous Speed, RPM:	1200	Stator Temp. Rise, °C:	80 by RES @ 1SF
% Starting Voltage:	90	Sound Pressure Level:	80dBA @ 3ft, unloaded
Elevation, ft:	3300	Insulation Class:	F-VPI
Certification Agency:	N/A	Bearing Type:	Anti-Friction

Performance Data

Locked Rotor Current, %FLA:	656	Full Load Torque, lb-ft:	1545
kVA/HP:	6.65	Starting Torque, %FLT:	152
kVA Code:	H	Breakdown Torque, %FLT:	272
NEMA Design:	A	Open Circuit Time Constant, s:	0.608
X/R Ratio:	15.776	Short Circuit (AC) Time Constant, s:	0.041

<u>Condition / Per-Unit Load:</u>	<u>Stall</u>	<u>Idle</u>	<u>0.25</u>	<u>0.50</u>	<u>0.75</u>	<u>1.00</u>	<u>1.15</u>
% Efficiency:	N/A	N/A	88.6	92.8	93.8	94.0	93.8
% Power Factor:	24.3	4.8	39.8	62.0	73.0	78.3	80.0
Speed, RPM:	0	1200	1198	1195	1193	1190	1189
High Voltage Current, Wye:	335.9	23.0	26.7	32.8	41.3	51.2	57.8
Low Voltage Current, Delta:	581.8	39.8	46.3	56.7	71.5	88.7	100.0
<u>% Rated Voltage:</u>	<u>100</u>	<u>90</u>					
Safe Stall Time, Motor Cold:	19	24	Seconds				
Safe Stall Time, Motor Hot:	15	21	Seconds				
Acceleration Time:	7.2	9.6	Seconds				

Please Note:

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