

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JP Pump NEMA Premium Efficiency Three-Phase
Product code : 13482794
Catalog # : 00736OT3E184JPV-S

Frame	: 182/4JP	Cooling method	: IC01 - ODP
Insulation class	: F	Mounting	: W-6
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 76.7 lb
Design	: B	Moment of inertia (J)	: 0.1818 sq.ft.lb

Output [HP]	7.5	7.5	7.5
Poles	2	2	2
Frequency [Hz]	60	50	50
Rated voltage [V]	208-230/460	190/380	220/415
Rated current [A]	19.2-17.3/8.67	21.4/10.7	18.6/9.84
L. R. Amperes [A]	142-128/64.2	120/59.9	126/66.9
LRC [A]	7.4x(Code H)	5.6x(Code F)	6.8x(Code H)
No load current [A]	5.55-6.43/3.22	6.33/3.17	7.12/3.77
Rated speed [RPM]	3500	2865	2890
Slip [%]	2.78	4.50	3.67
Rated torque [ft.lb]	11.1	13.6	13.4
Locked rotor torque [%]	180	150	180
Breakdown torque [%]	290	210	260
Service factor	1.15	1.00	1.00
Temperature rise	80 K	80 K	80 K
Locked rotor time	18s (cold) 10s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)
Noise level ²	65.0 dB(A)	63.0 dB(A)	63.0 dB(A)
Efficiency (%)	25%	88.3	91.3
	50%	88.5	88.9
	75%	88.5	87.4
	100%	88.5	84.7
Power Factor	25%	0.49	0.55
	50%	0.76	0.82
	75%	0.85	0.89
	100%	0.90	0.92

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads	
Bearing type	: 6207 ZZ	6205 ZZ	Max. traction	: 188 lb
Sealing	: Without	Without	Max. compression	: 265 lb
	Bearing Seal	Bearing Seal		
Lubrication interval	: -	-		
Lubricant amount	: -	-		
Lubricant type	: Mobil Polyrex EM			

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.
- (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	24/01/2018			

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Revision