

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Jet Pump - J type Standard Efficiency Three-Phase	Product code :	13905945
Frame	: 56J	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation ¹	: CCW	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight ²	: 15.0 kg	
Design	: A	Moment of inertia (J)	: 0.0040 kgm ²	
Output [HP]	3	2	2	
Poles	2	2	2	
Frequency [Hz]	60	50	50	
Rated voltage [V]	230/460	190/380	220/415	
Rated current [A]	7.78/3.89	6.30/3.15	6.02/3.19	
L. R. Amperes [A]	54.5/27.2	48.5/24.3	51.1/27.1	
LRC [A]	7.0x(Code J)	7.7x(Code J)	8.5x(Code L)	
No load current [A]	3.20/1.60	3.20/1.60	4.15/2.20	
Rated speed [RPM]	3450	2875	2900	
Slip [%]	4.17	4.17	3.33	
Rated torque [kgfm]	0.631	0.505	0.501	
Locked rotor torque [%]	220	260	320	
Breakdown torque [%]	250	300	360	
Service factor		1.15	1.15	
Temperature rise	80 K	80 K	80 K	
Locked rotor time	14s (cold) 8s (hot)	0s (cold) 0s (hot)	0s (cold) 0s (hot)	
Noise level ²	62.0 dB(A)	60.0 dB(A)	60.0 dB(A)	
Efficiency (%)	25%			
	50%	80.0	81.0	76.8
	75%	81.5	82.8	80.7
	100%	81.5	82.2	81.7
Power Factor	25%			
	50%	0.70	0.69	0.56
	75%	0.82	0.82	0.71
	100%	0.87	0.88	0.80
Bearing type	: Drive end 6203 2RS Non drive end 6202 2RS	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 50 kgf	
		Max. compression	: 65 kgf	
Lubrication interval	: - -			
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 8.60A SF 1.00 SFA 8.60A				
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
Performed by			Page	Revision
Checked by				
Date	16/05/2022			
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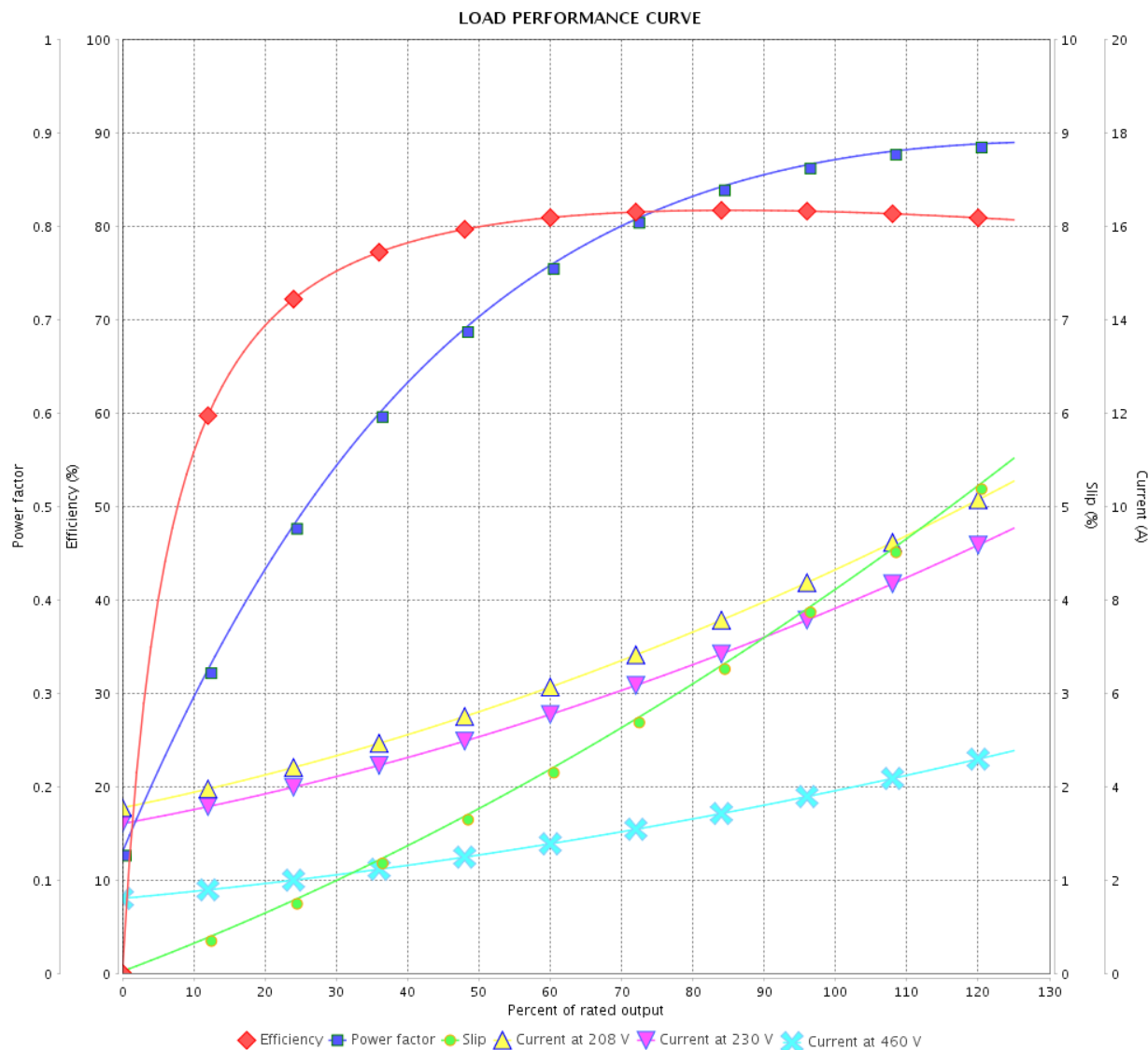
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Customer :

Product line : Jet Pump - J type Standard
Efficiency Three-Phase

Product code : 13905945



Performance : 230/460 V 60 Hz 2P

Rated current : 7.78/3.89 A
LRC : 7.0
Rated torque : 0.631 kgfm
Locked rotor torque : 220 %
Breakdown torque : 250 %
Rated speed : 3450 rpm

Moment of inertia (J) : 0.0040 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : A

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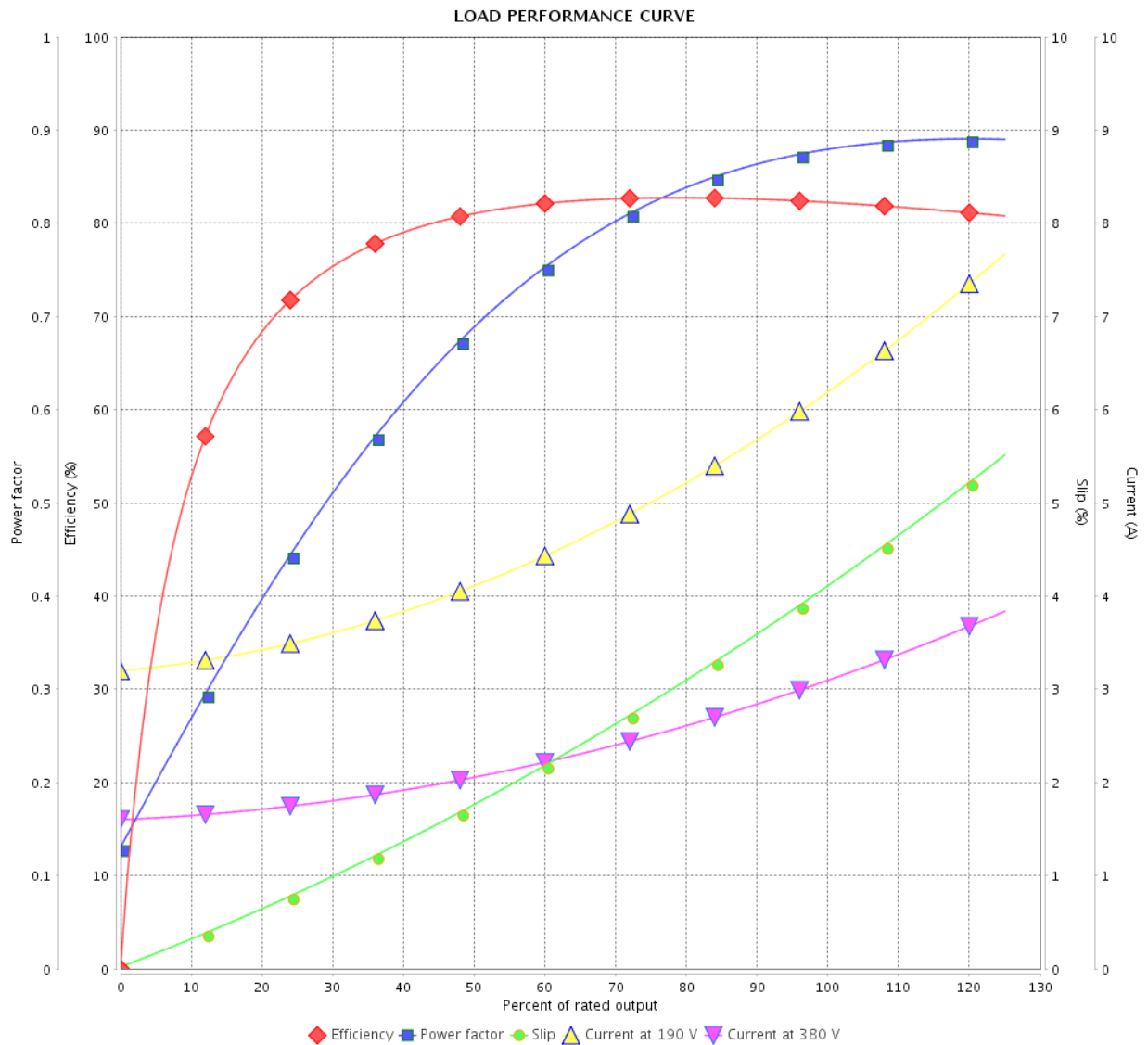
Three Phase Induction Motor - Squirrel Cage



Customer :

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Performance : 190/380 V 50 Hz 2P

Rated current : 6.30/3.15 A
LRC : 7.7
Rated torque : 0.505 kgfm
Locked rotor torque : 260 %
Breakdown torque : 300 %
Rated speed : 2875 rpm

Moment of inertia (J) : 0.0040 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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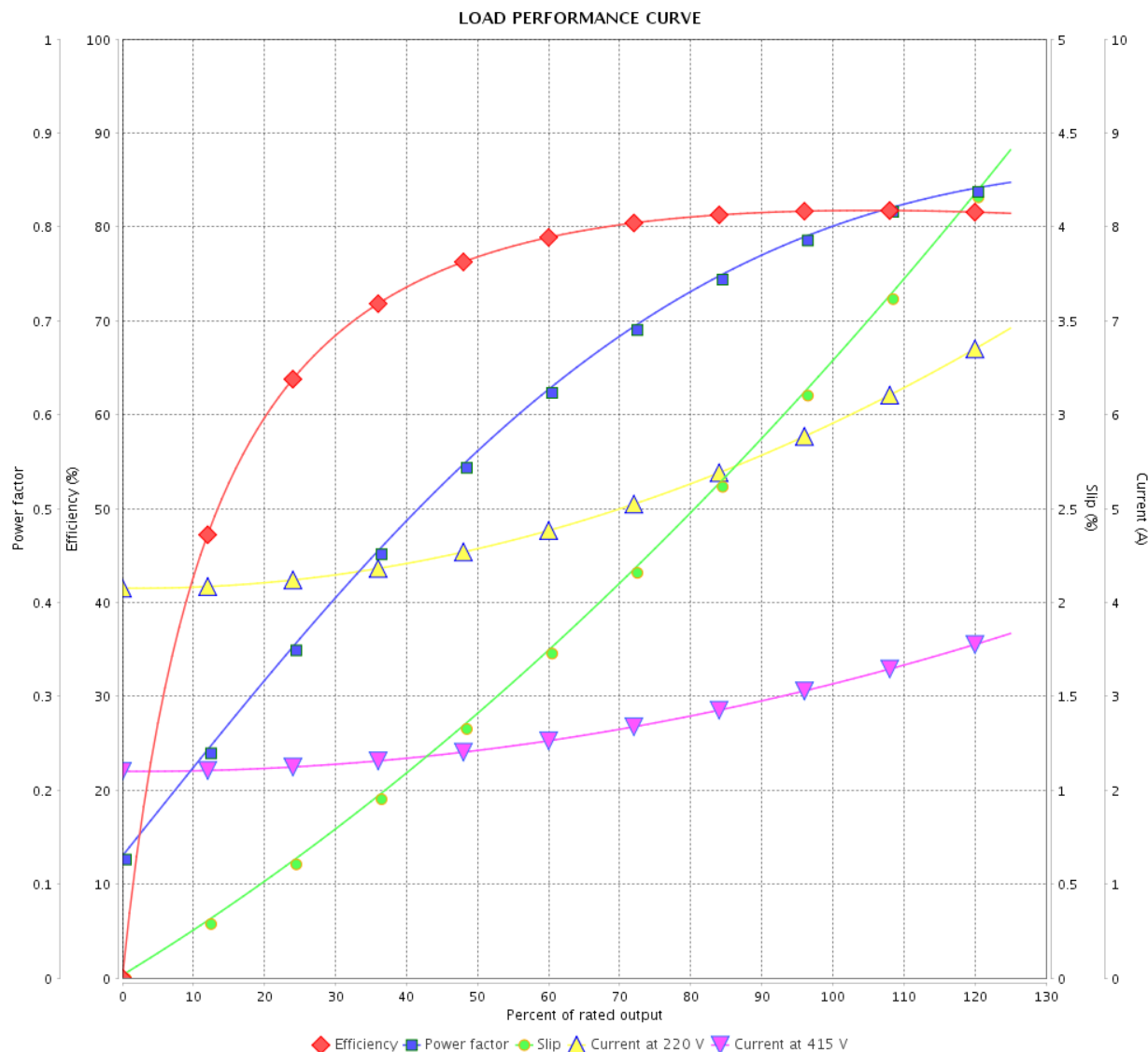
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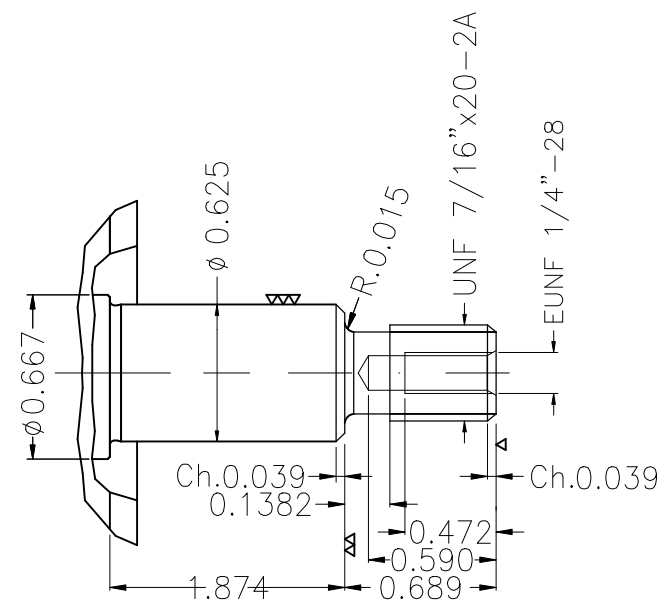
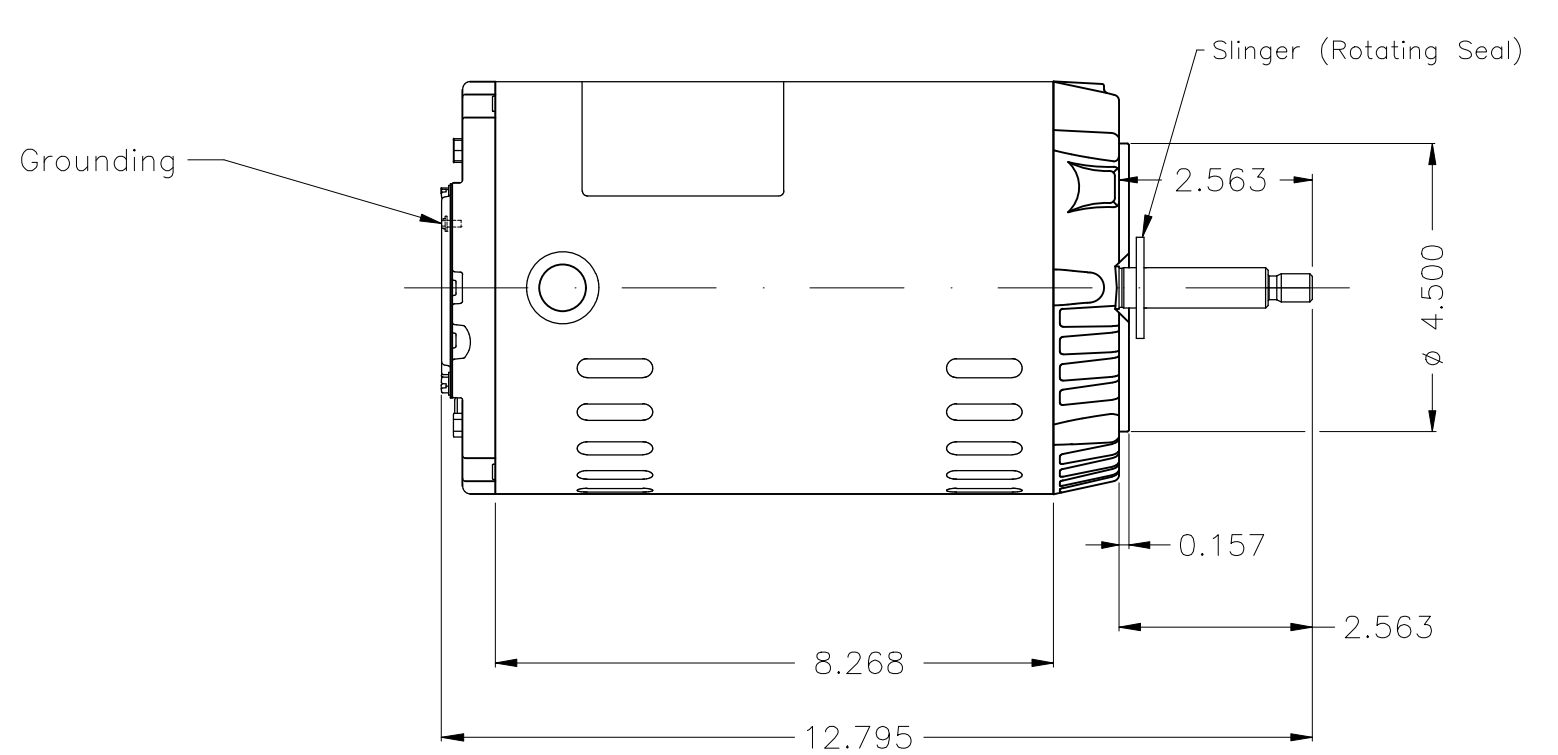


Performance : 220/415 V 50 Hz 2P

Rated current : 6.02/3.19 A
LRC : 8.5
Rated torque : 0.501 kgfm
Locked rotor torque : 320 %
Breakdown torque : 360 %
Rated speed : 2900 rpm

Moment of inertia (J) : 0.0040 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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