

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : ODP NEMA Premium Efficiency Three-Phase		Product code : 10630037			
Frame : 364/5T Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Design : B		Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 359 kg Moment of inertia (J) : 0.6555 kgm ²			
Output [HP]	60	60	60	60	
Poles	4	4	4	4	
Frequency [Hz]	60	50	50	50	
Rated voltage [V]	230/460	380	400	415	
Rated current [A]	140/69.9	80.9	78.6	76.6	
L. R. Amperes [A]	937/468	526	542	567	
LRC [A]	6.7x(Code G)	6.5x(Code G)	6.9x(Code G)	7.4x(Code H)	
No load current [A]	44.0/22.0	20.7	23.0	25.0	
Rated speed [RPM]	1780	1475	1480	1480	
Slip [%]	1.11	1.67	1.33	1.33	
Rated torque [kgfm]	24.5	29.5	29.4	29.4	
Locked rotor torque [%]	220	200	210	220	
Breakdown torque [%]	250	200	220	240	
Service factor	1.15	1.15	1.15	1.15	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	27s (cold) 15s (hot)	37s (cold) 21s (hot)	34s (cold) 19s (hot)	30s (cold) 17s (hot)	
Noise level ²	68.0 dB(A)				
Efficiency (%)	25%	94.0	93.9	94.0	
	50%	94.5	94.5	94.5	
	75%	94.5	94.5	94.5	
	100%	95.0	95.0	95.0	
Power Factor	25%	0.50	0.57	0.52	
	50%	0.74	0.79	0.75	
	75%	0.83	0.87	0.84	
	100%	0.85	0.89	0.87	
Bearing type : <u>Drive end</u> 6314 C3 <u>Non drive end</u> 6314 C3 Sealing : Without Without Bearing Seal Bearing Seal Lubrication interval : 20000 h 20000 h Lubricant amount : 27 g 27 g Lubricant type : Mobil Polyrex EM		Foundation loads Max. traction : 614 kgf Max. compression : 973 kgf			
Notes USABLE @208V 154A SF 1.00 SFA 154A					
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.			
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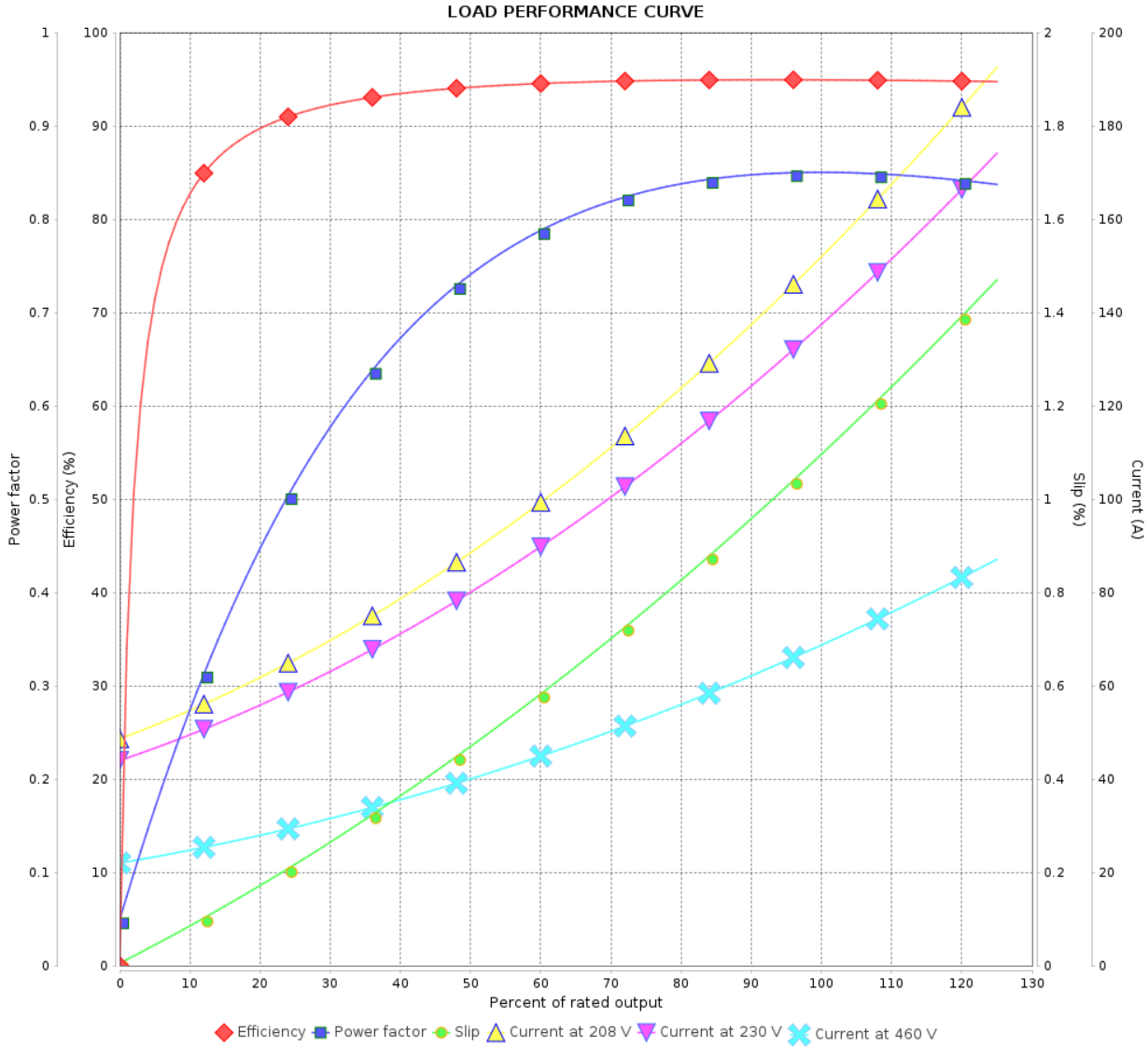
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10630037



Performance : 230/460 V 60 Hz 4P

Rated current : 140/69.9 A
 LRC : 6.7
 Rated torque : 24.5 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 1780 rpm

Moment of inertia (J) : 0.6555 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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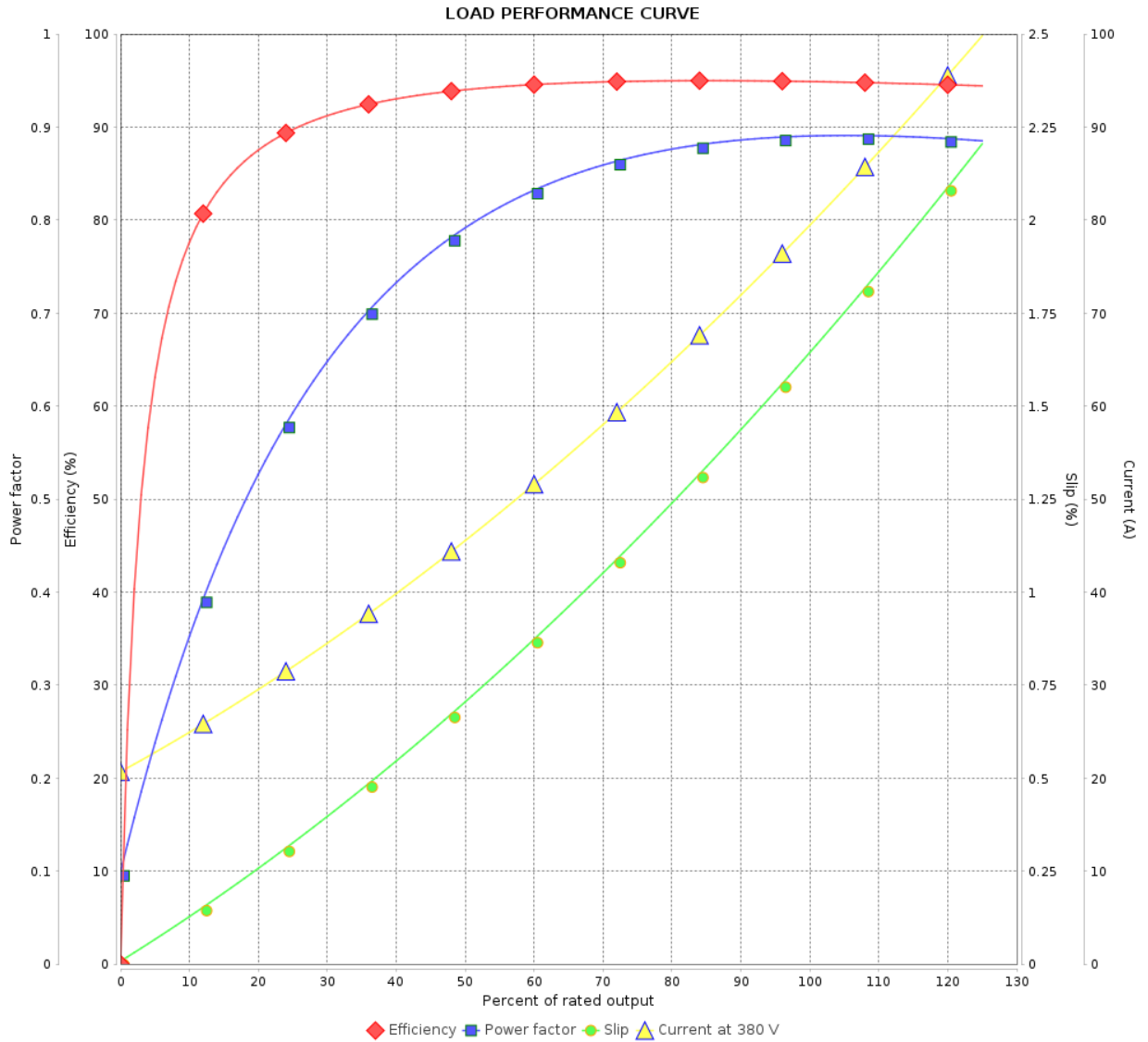
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10630037



Performance : 380 V 50 Hz 4P IE3

Rated current : 80.9 A
 LRC : 6.5
 Rated torque : 29.5 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 200 %
 Rated speed : 1475 rpm

Moment of inertia (J) : 0.6555 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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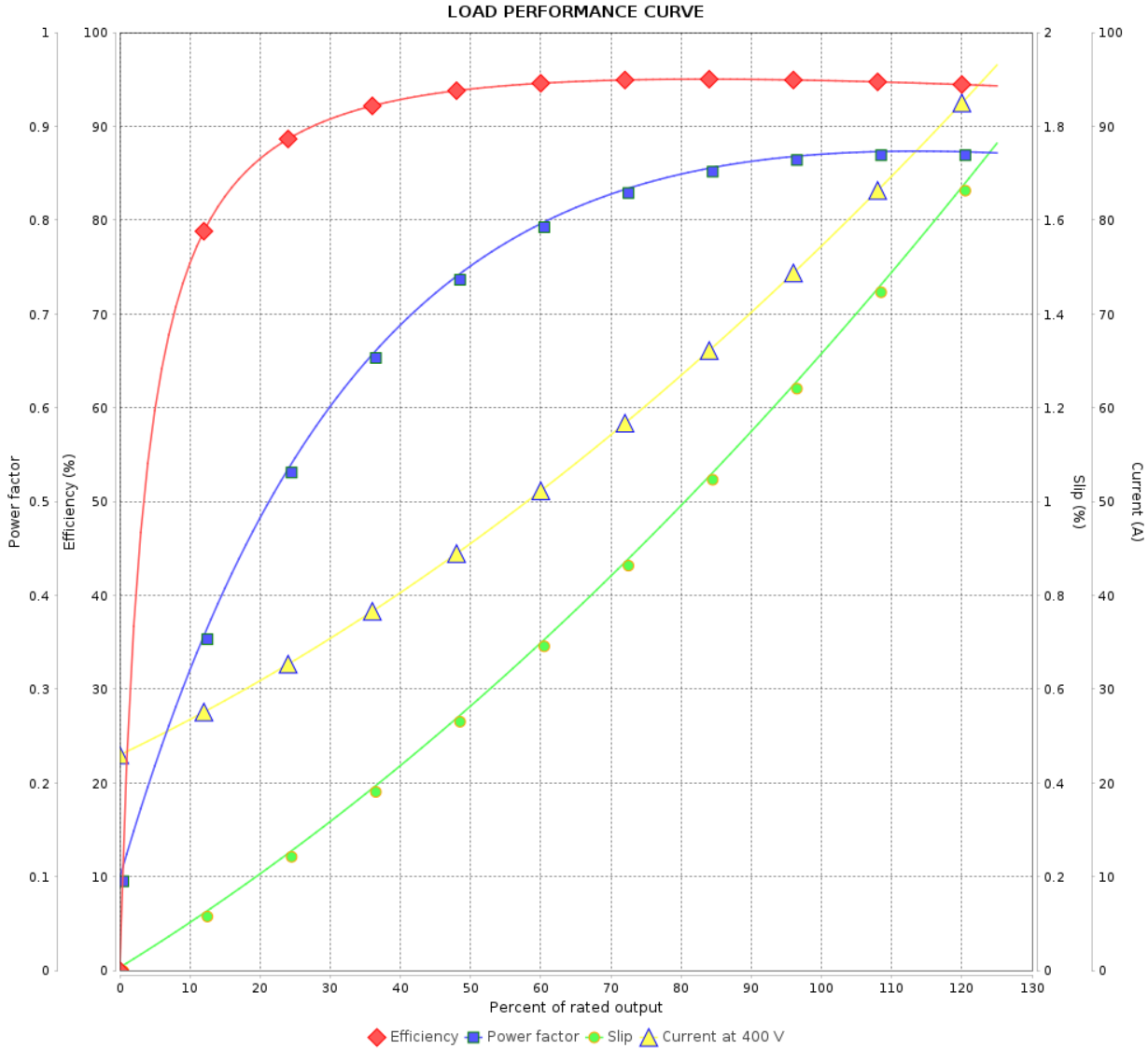
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10630037



Performance : 400 V 50 Hz 4P IE3

Rated current : 78.6 A
 LRC : 6.9
 Rated torque : 29.4 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 220 %
 Rated speed : 1480 rpm

Moment of inertia (J) : 0.6555 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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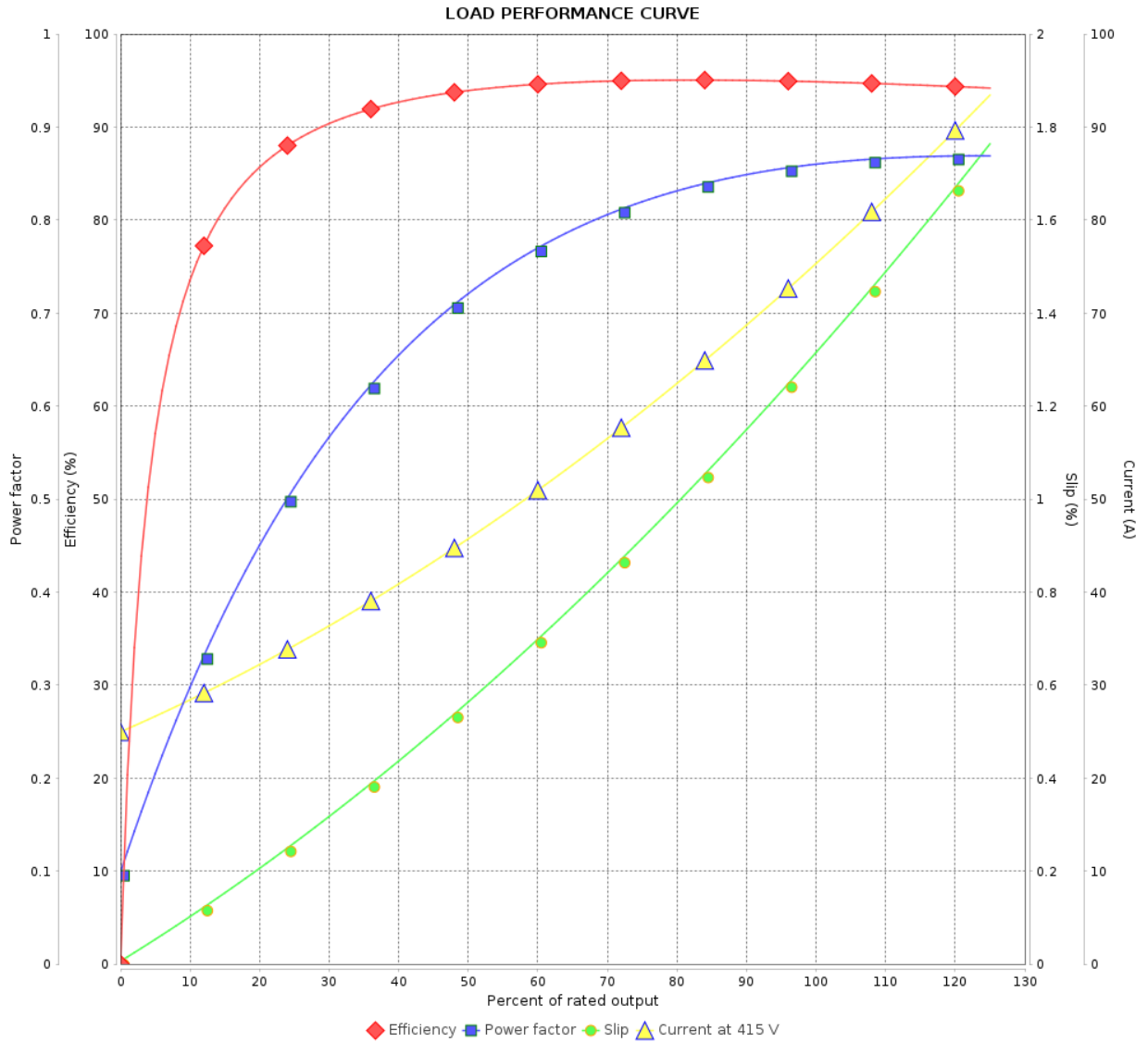
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 10630037



Performance : 415 V 50 Hz 4P IE3

Rated current : 76.6 A
 LRC : 7.4
 Rated torque : 29.4 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 240 %
 Rated speed : 1480 rpm

Moment of inertia (J) : 0.6555 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

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