

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line : ODP High Efficiency Three-Phase		Product code : 11997217		
Frame	: 284TC	Cooling method	: IC01 - ODP	
Insulation class	: F	Mounting	: F-1	
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	: 0.0 kg	
Protection degree	: IP23	Moment of inertia (J)	: 0.1166 kgm ²	
Design	: B			
Output [HP]	25	25	25	25
Poles	4	4	4	4
Frequency [Hz]	60	50	50	50
Rated voltage [V]	230/460	380	400	415
Rated current [A]	60.2/30.1	37.4	35.9	34.6
L. R. Amperes [A]	361/181	168	180	187
LRC [A]	6.0x(Code G)	4.5x(Code D)	5.0x(Code E)	5.4x(Code F)
No load current [A]	23.0/11.5	10.8	11.8	12.7
Rated speed [RPM]	1765	1445	1450	1455
Slip [%]	1.94	3.67	3.33	3.00
Rated torque [kgfm]	10.3	12.6	12.5	12.5
Locked rotor torque [%]	220	170	190	210
Breakdown torque [%]	250	180	200	220
Service factor	1.15	1.15	1.15	1.15
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time	23s (cold) 13s (hot)	21s (cold) 12s (hot)	21s (cold) 12s (hot)	23s (cold) 13s (hot)
Noise level ²	62.0 dB(A)			
Efficiency (%)	25%			
	50%	91.0	88.5	89.5
	75%	91.7	90.2	90.2
	100%	91.7	88.5	89.5
Power Factor	25%			
	50%	0.70	0.75	0.69
	75%	0.79	0.83	0.79
	100%	0.84	0.85	0.83
Bearing type	: Drive end 6311 Z C3 Non drive end 6211 Z C3	Foundation loads		
Sealing	: Without Without Bearing Seal Bearing Seal	Max. traction	: 392 kgf	
Lubrication interval	: 20000 h 20000 h	Max. compression	: 392 kgf	
Lubricant amount	: 18 g 11 g			
Lubricant type	: Mobil Polyrex EM			
Notes USABLE @208V 66.6A SF 1.15 SFA 76.6A				
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 1 / 5	Revision
Checked by				
Date	05/05/2024			

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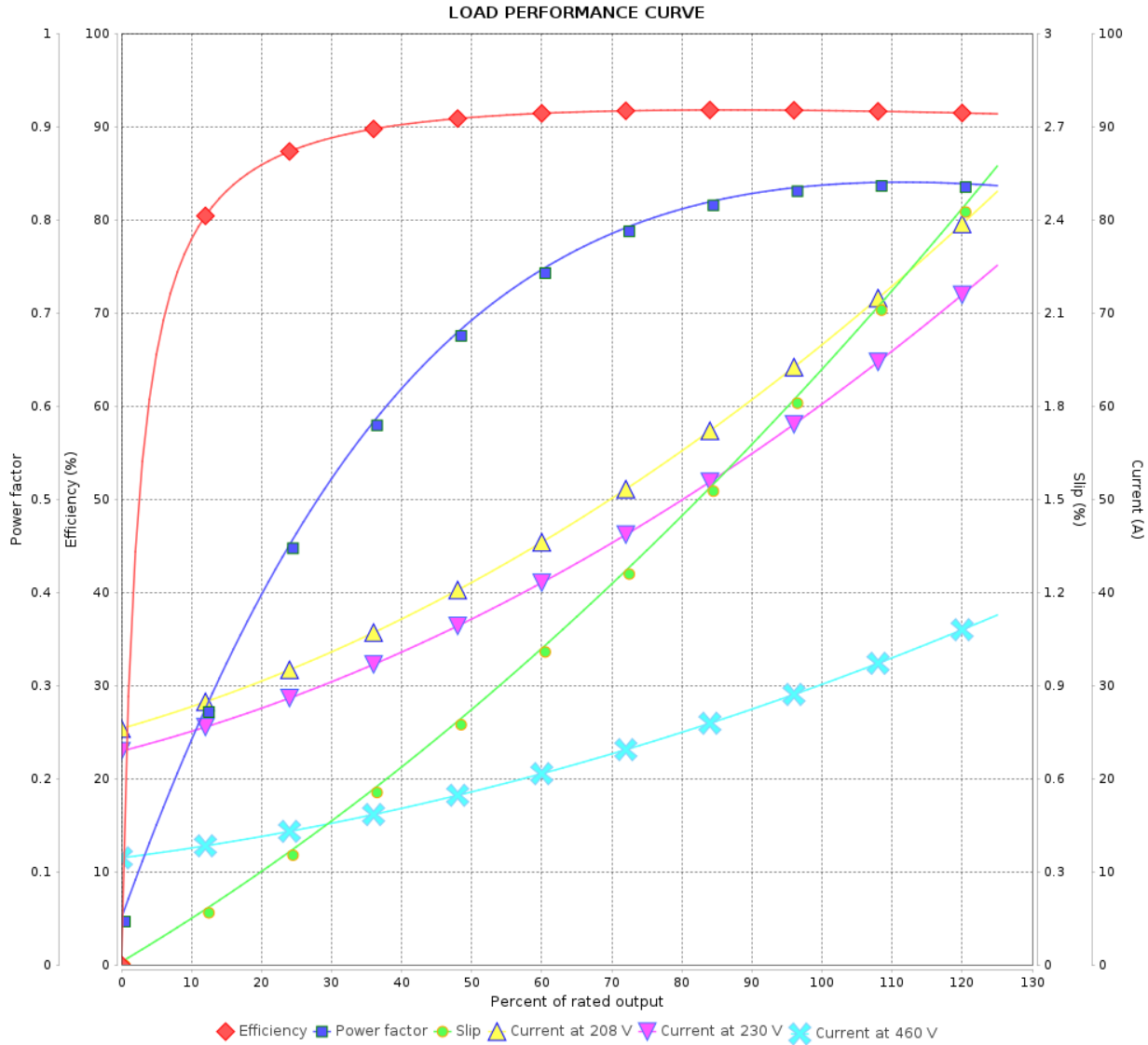
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP High Efficiency Three-Phase

Product code : 11997217



Performance : 230/460 V 60 Hz 4P

Rated current : 60.2/30.1 A
 LRC : 6.0
 Rated torque : 10.3 kgfm
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Rated speed : 1765 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				

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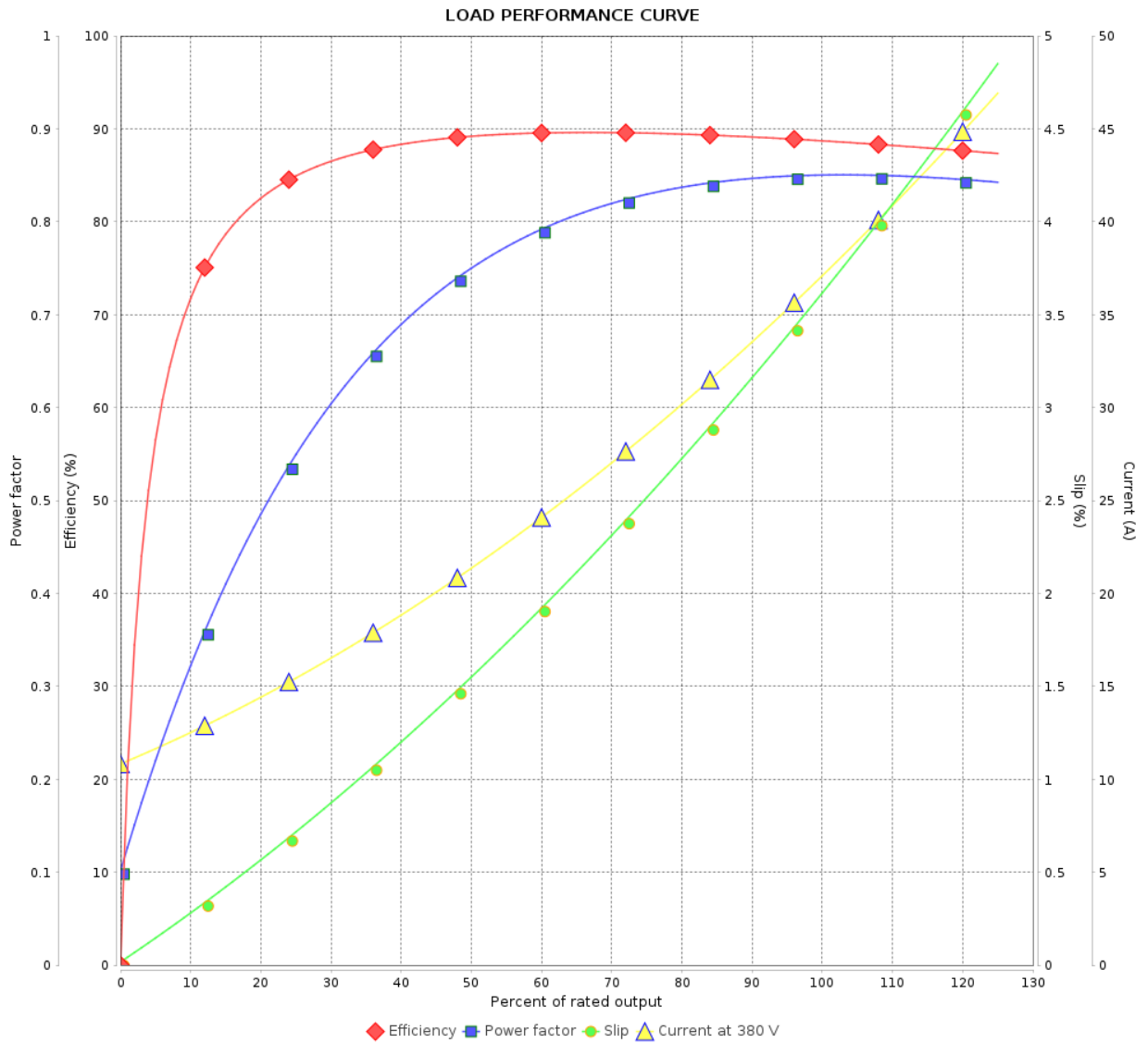
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP High Efficiency Three-Phase

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Performance : 380 V 50 Hz 4P

Rated current : 37.4 A
 LRC : 4.5
 Rated torque : 12.6 kgfm
 Locked rotor torque : 170 %
 Breakdown torque : 180 %
 Rated speed : 1445 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page		Revision
Checked by		3 / 5		
Date		05/05/2024		

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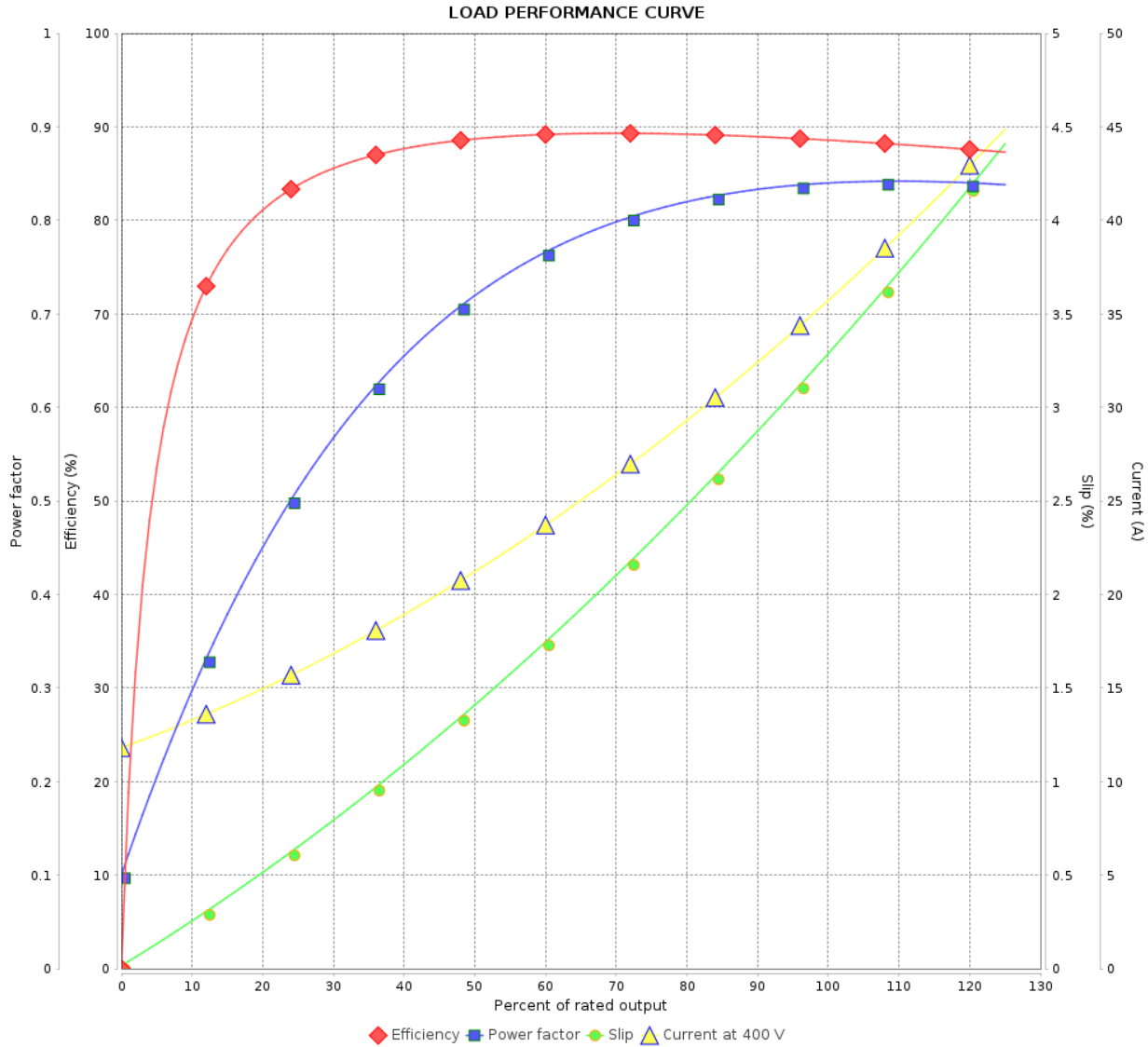
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP High Efficiency Three-Phase

Product code : 11997217



Performance : 400 V 50 Hz 4P

Rated current : 35.9 A
 LRC : 5.0
 Rated torque : 12.5 kgfm
 Locked rotor torque : 190 %
 Breakdown torque : 200 %
 Rated speed : 1450 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 5	Revision
Checked by				
Date	05/05/2024			

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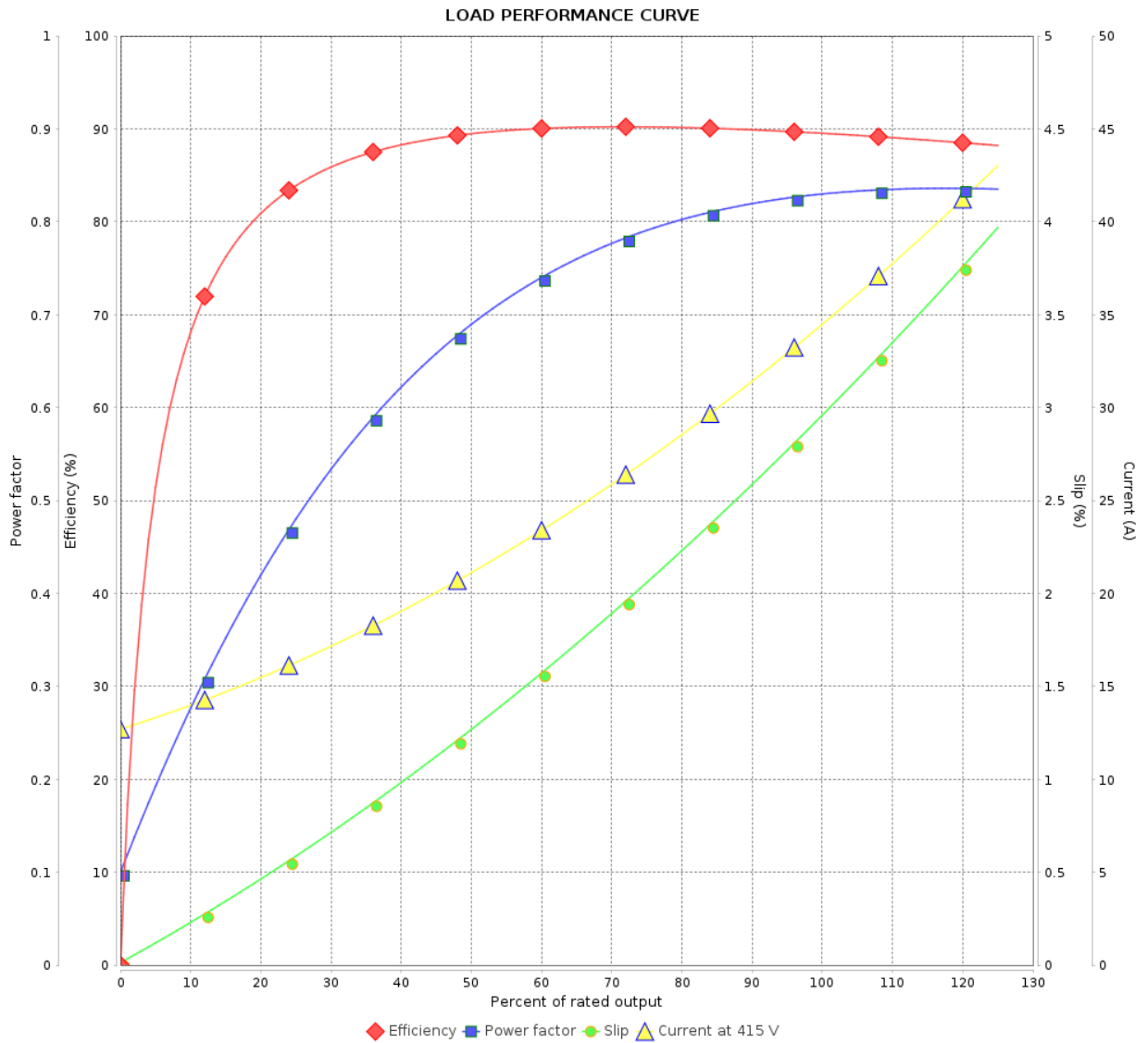
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : ODP High Efficiency Three-Phase

Product code : 11997217



Performance : 415 V 50 Hz 4P IE1

Rated current : 34.6 A
 LRC : 5.4
 Rated torque : 12.5 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 220 %
 Rated speed : 1455 rpm

Moment of inertia (J) : 0.1166 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				
			5 / 5	