

DATA SHEET

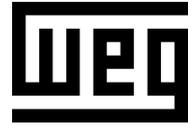
Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 11953402					
Frame : 143/5TC Insulation class : F Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Design : B				Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 25.5 kg Moment of inertia (J) : 0.0026 kgm ²				
Output [HP]	3	2	2	2	3	3	3	
Poles	2	2	2	2	2	2	2	
Frequency [Hz]	60	50	50	50	50	50	50	
Rated voltage [V]	230/460	380	400	415	380	400	415	
Rated current [A]	7.42/3.71	3.24	3.17	3.15	4.44	4.26	4.13	
L. R. Amperes [A]	60.1/30.1	27.9	29.2	29.9	27.1	28.5	29.3	
LRC [A]	8.1x(Code J)	8.6x(Code L)	9.2x(Code M)	9.5x(Code M)	6.1x(Code G)	6.7x(Code H)	7.1x(Code H)	
No load current [A]	2.60/1.30	1.28	1.43	1.55	1.28	1.43	1.55	
Rated speed [RPM]	3460	2890	2905	2910	2820	2840	2850	
Slip [%]	3.89	3.67	3.17	3.00	6.00	5.33	5.00	
Rated torque [kgfm]	0.629	0.502	0.500	0.499	0.772	0.767	0.764	
Locked rotor torque [%]	330	400	459	490	260	300	320	
Breakdown torque [%]	360	400	459	509	260	300	330	
Service factor	1.25	1.25	1.00	1.00	1.25	1.00	1.00	
Temperature rise	80 K	80 K	80 K	80 K	80 K	80 K	80 K	
Locked rotor time	25s (cold) 14s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)	23s (cold) 13s (hot)	25s (cold) 14s (hot)	23s (cold) 13s (hot)	23s (cold) 13s (hot)	
Noise level ²	68.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	62.0 dB(A)	
Efficiency (%)	25%							
	50%	85.5	81.9	82.0	82.2	84.0	84.5	85.0
	75%	86.5	84.0	84.4	84.8	85.0	85.5	86.0
	100%	86.5	84.8	85.3	85.9	84.6	85.6	86.2
Power Factor	25%							
	50%	0.70	0.63	0.58	0.55	0.76	0.72	0.69
	75%	0.81	0.76	0.72	0.69	0.85	0.82	0.80
	100%	0.86	0.83	0.80	0.77	0.89	0.87	0.86
Losses at normative operating points (speed;torque), in percentage of rated output power								
Losses (%)	P1 (0,9;1,0)	14.8	14.8	14.8	14.8	14.8	14.8	14.8
	P2 (0,5;1,0)	12.3	12.3	12.3	12.3	12.3	12.3	12.3
	P3 (0,25;1,0)	11.7	11.7	11.7	11.7	11.7	11.7	11.7
	P4 (0,9;0,5)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
	P5 (0,5;0,5)	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	P6 (0,5;0,25)	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	P7 (0,25;0,25)	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Bearing type	: Drive end : 6205 ZZ	Non drive end : 6204 ZZ		Foundation loads				
Sealing	: V'Ring	V'Ring		Max. traction : 59 kgf				
Lubrication interval	: -	-		Max. compression : 84 kgf				
Lubricant amount	: -	-						
Lubricant type	: 00088							
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end.				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						Page	Revision	
Date	28/03/2026					1 / 9		

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Notes

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	28/03/2026		2 / 9	

LOAD PERFORMANCE CURVE

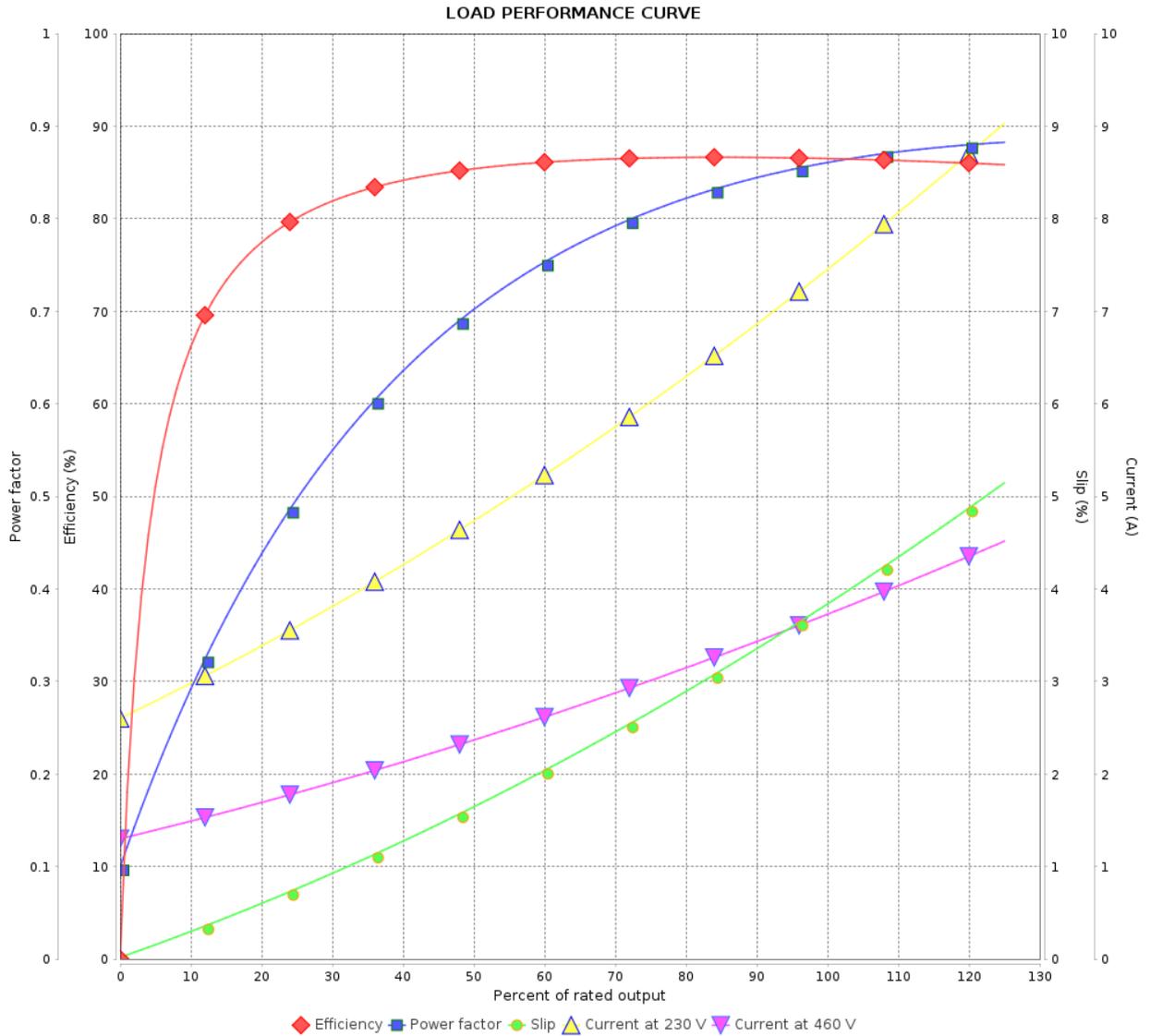
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 9	Revision
Checked by				
Date				

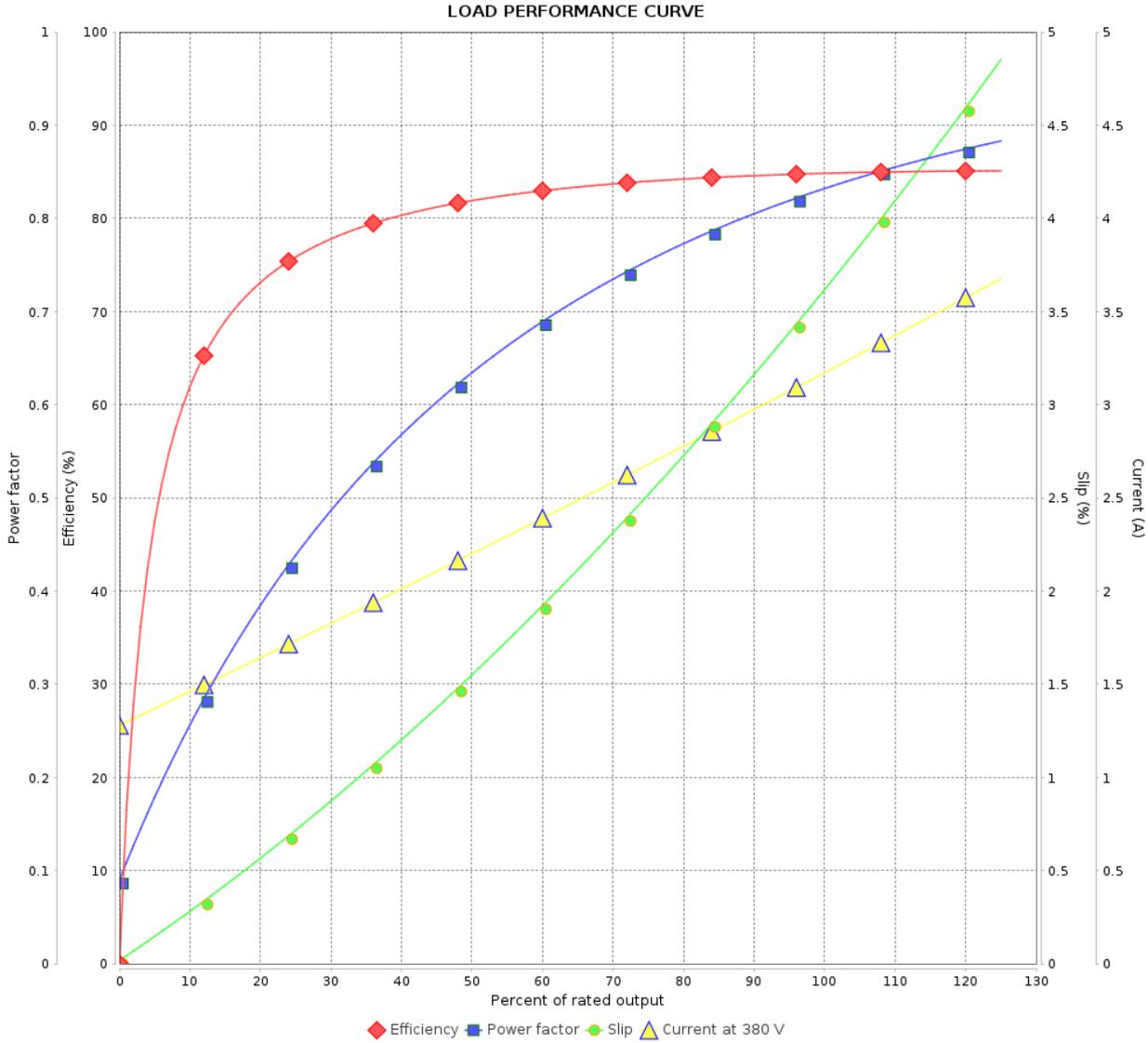
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 4 / 9		Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

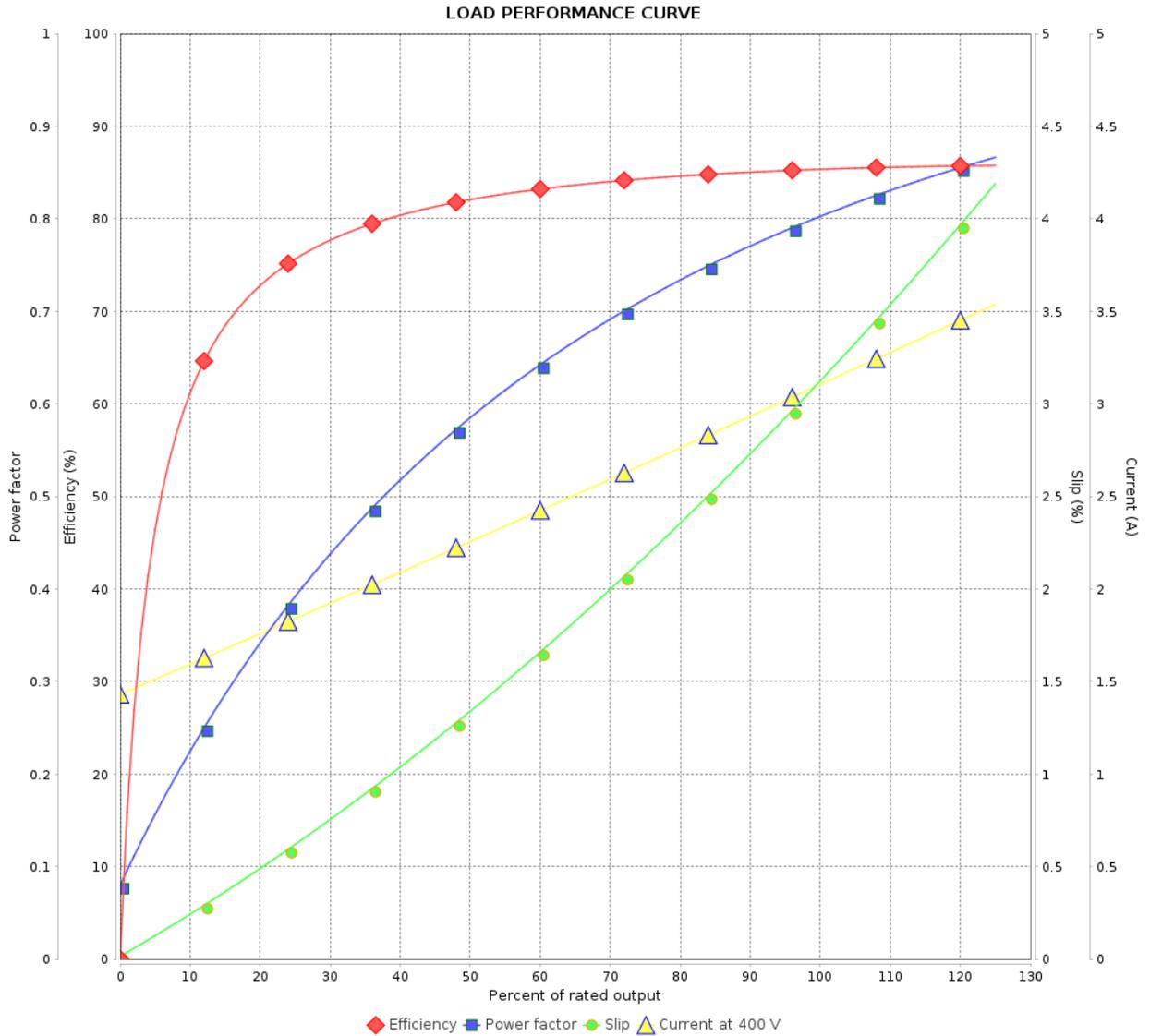
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

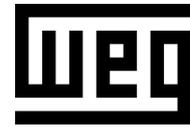
Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				
			5 / 9	

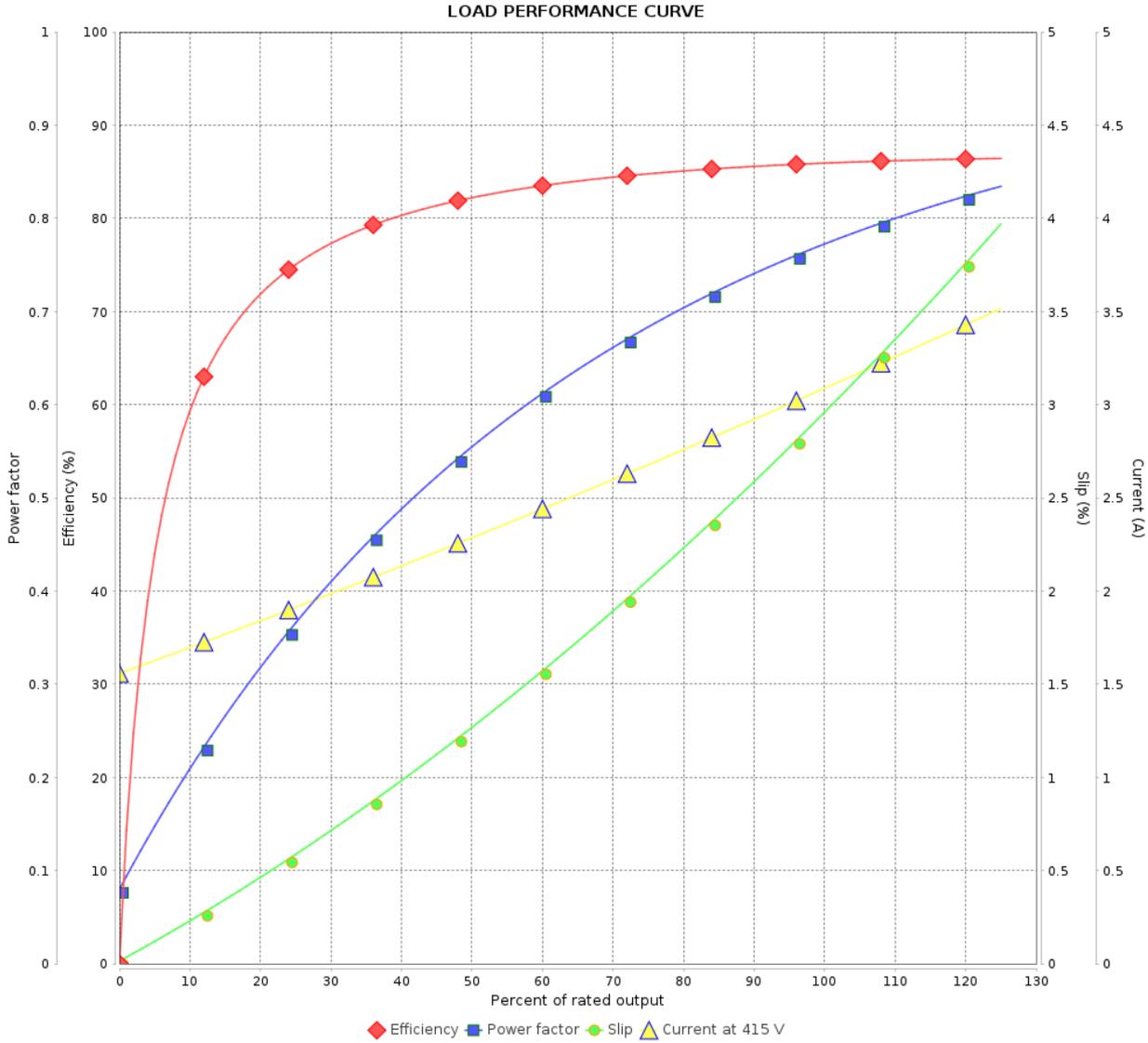
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 6 / 9		Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

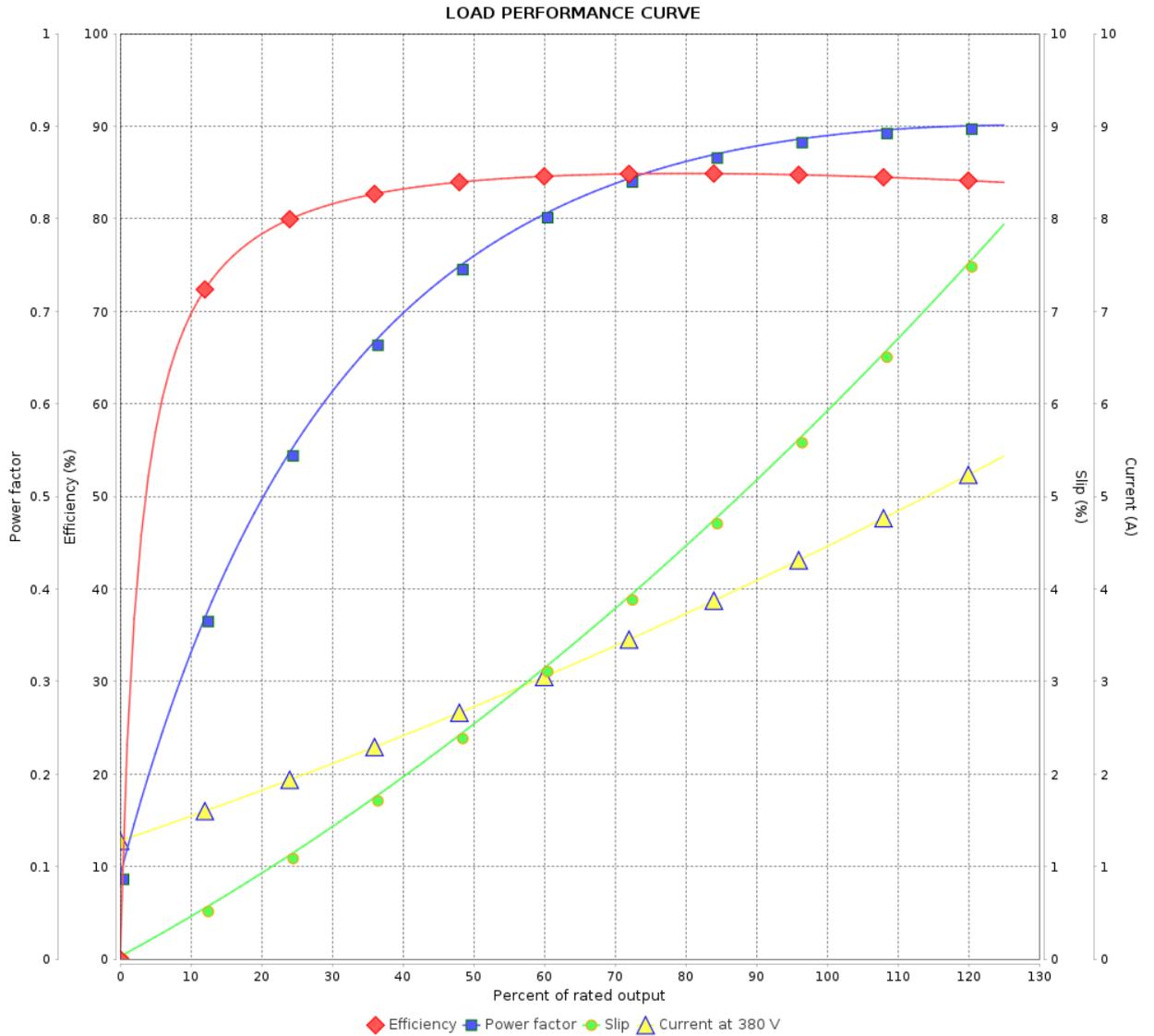
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

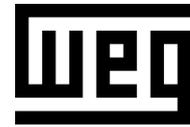
Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date				
			Page	Revision
			7 / 9	

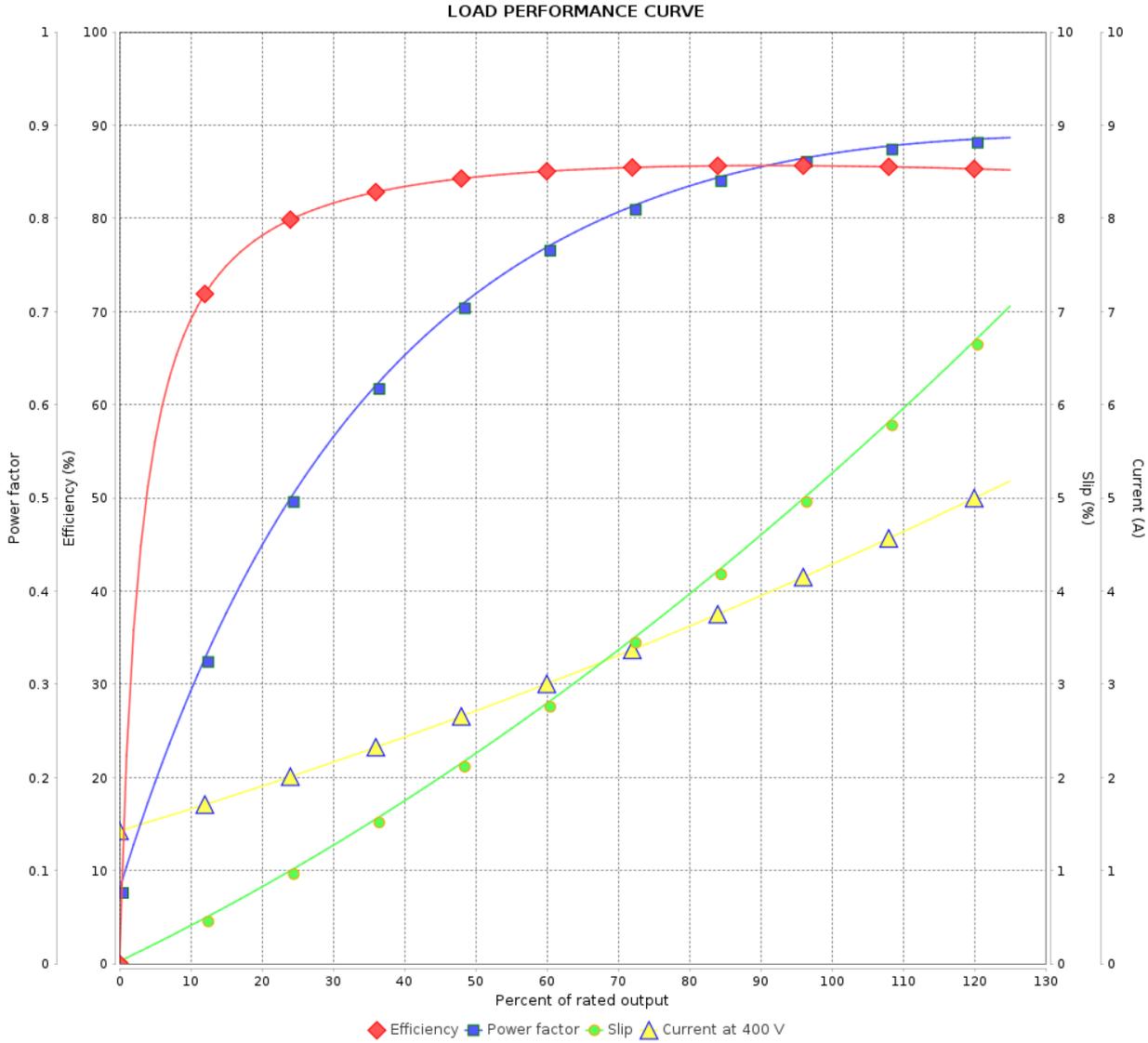
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 8 / 9	Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

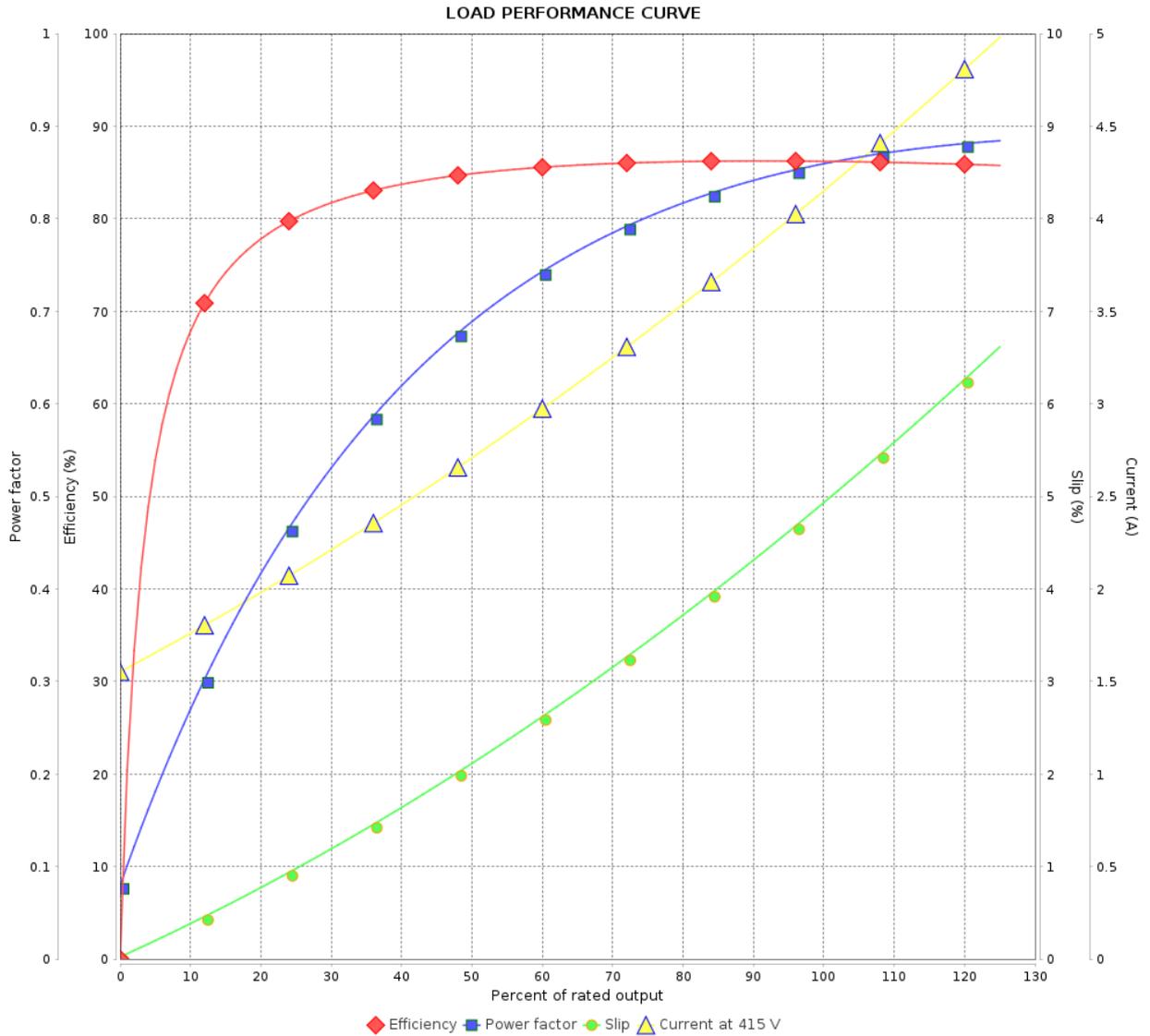
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 11953402



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 9 / 9		Revision
Checked by				
Date				