

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :							
Product line	: NEMA Premium Efficiency Three-Phase	Product code :	12378663				
		Catalog # :	00136ET3E143T-W22				
Frame	: 143/5T	Cooling method	: IC411 - TEFC				
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	: 38.8 lb				
Protection degree	: IP55	Moment of inertia (J)	: 0.0332 sq.ft.lb				
Output [HP]	1	0.75	0.75	0.75	1	1	1
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]	2.94/1.47	1.34	1.32	1.33	1.71	1.65	1.63
L. R. Amperes [A]	24.1/12.1	11.5	11.9	12.5	11.5	11.9	12.6
LRC [A]	8.2x(Code L)	8.6x(Code M)	9.0x(Code M)	9.4x(Code N)	6.7x(Code J)	7.2x(Code K)	7.7x(Code L)
No load current [A]	1.54/0.770	0.740	0.820	0.880	0.740	0.820	0.880
Rated speed [RPM]	3500	2910	2920	2925	2865	2885	2895
Slip [%]	2.78	3.00	2.67	2.50	4.50	3.83	3.50
Rated torque [ft.lb]	1.50	1.35	1.35	1.35	1.83	1.82	1.81
Locked rotor torque [%]	220	229	250	270	170	190	200
Breakdown torque [%]	310	310	340	360	220	250	270
Service factor	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Temperature rise	80 K	80 K	80 K	80 K	80 K	80 K	80 K
Locked rotor time	36s (cold) 20s (hot)	46s (cold) 26s (hot)	43s (cold) 24s (hot)	39s (cold) 22s (hot)	39s (cold) 22s (hot)	36s (cold) 20s (hot)	36s (cold) 20s (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%	75.0	72.9	72.3	71.7	77.0	77.0
	75%	79.0	77.6	77.6	77.6	78.5	78.5
	100%	80.0	80.0	80.0	80.0	78.5	80.0
Power Factor	25%						
	50%	0.63	0.58	0.53	0.50	0.68	0.63
	75%	0.74	0.70	0.66	0.63	0.78	0.75
	100%	0.80	0.78	0.75	0.72	0.85	0.82
Bearing type	: Drive end : 6205 ZZ	Non drive end : 6204 ZZ	Foundation loads				
Sealing	: V'Ring	V'Ring	Max. traction : 23 lb				
Lubrication interval	: -	-	Max. compression : 62 lb				
Lubricant amount	: -	-					
Lubricant type	: Mobil Polyrex EM						
Notes USABLE @208V 3.16A SF 1.15 SFA 3.64A							
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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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



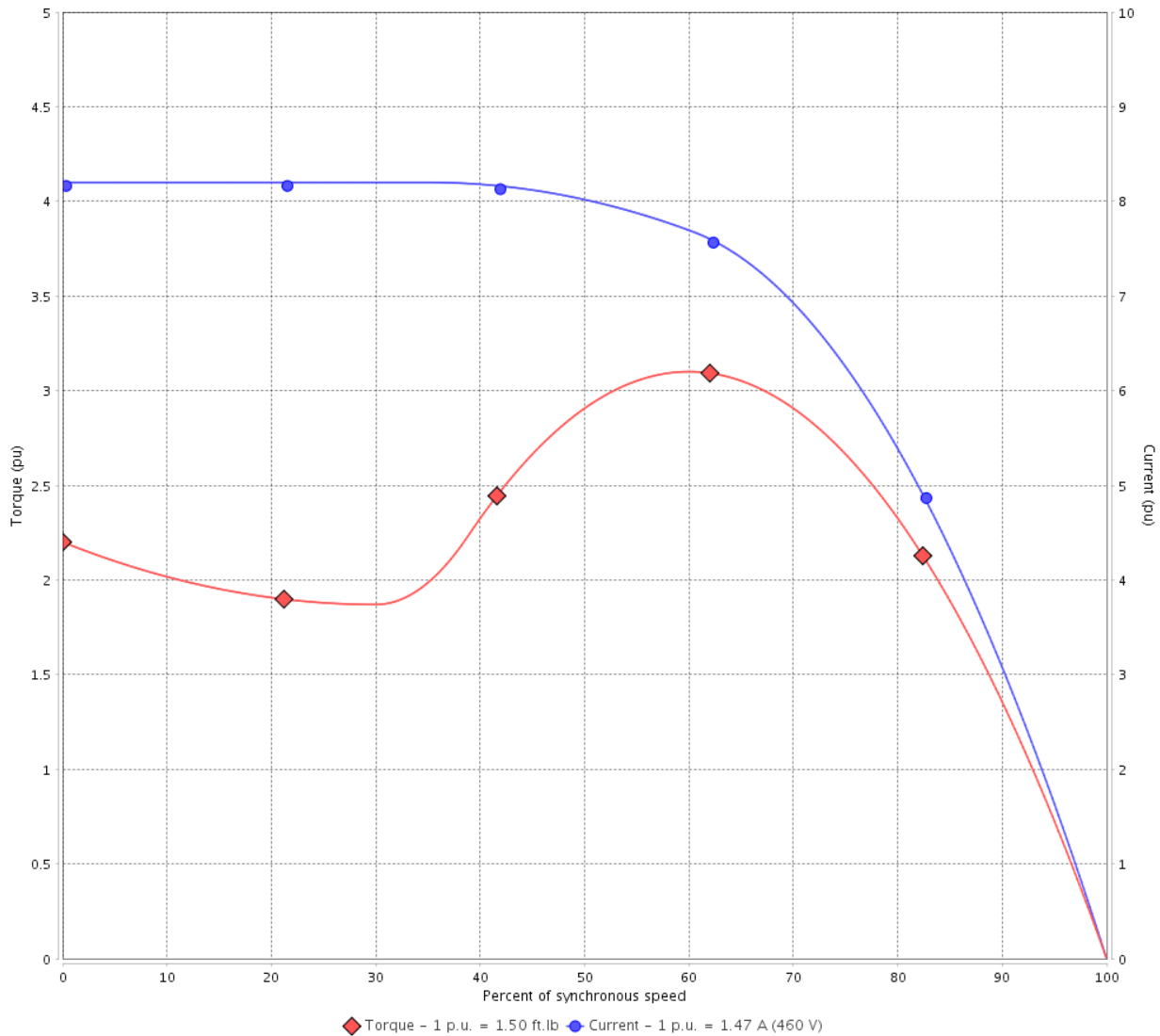
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 230/460 V 60 Hz 2P

Rated current	: 2.94/1.47 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.50 ft.lb	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 3500 rpm		

Locked rotor time : 36s (cold) 20s (hot)

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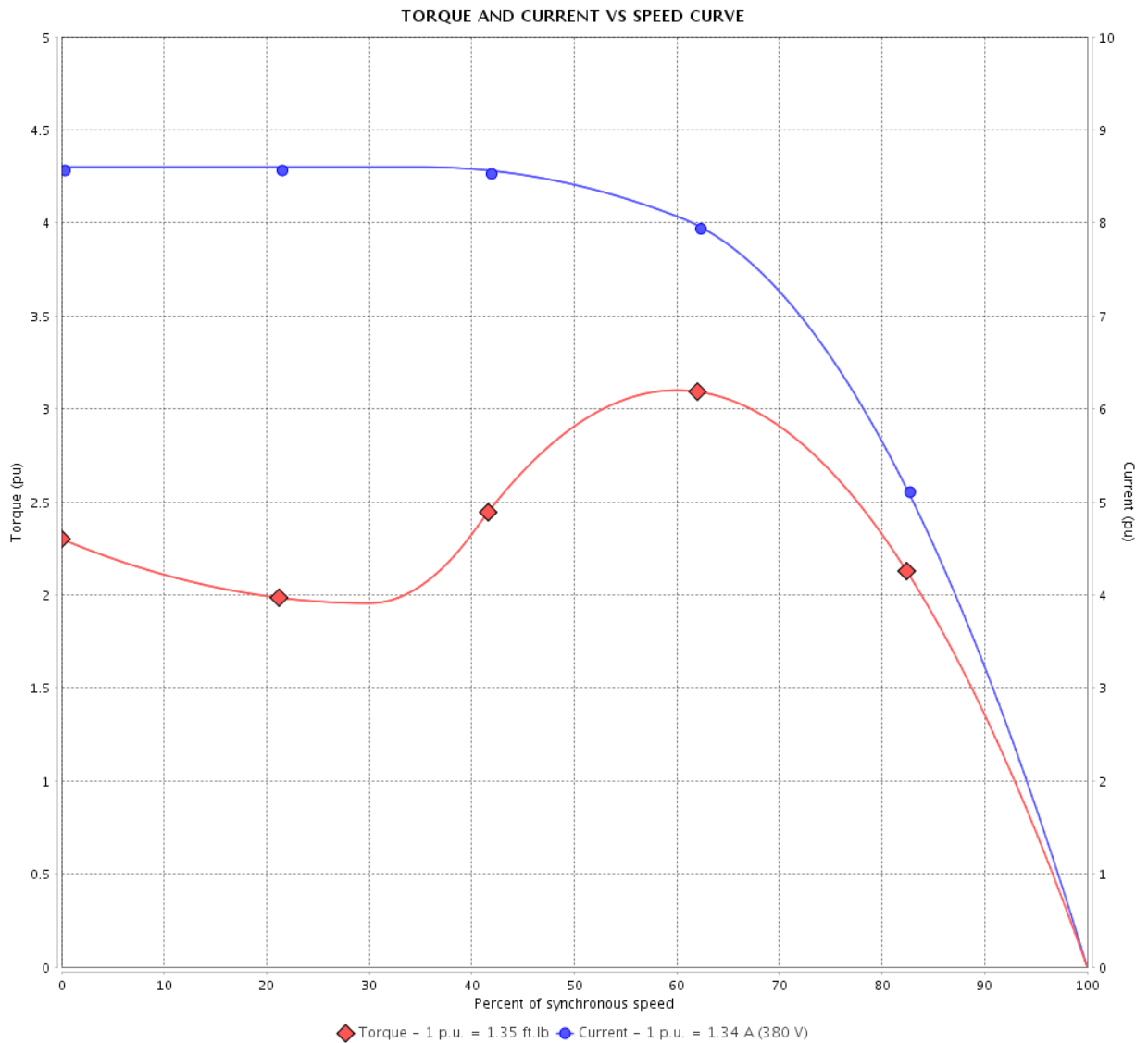
TORQUE AND CURRENT VS SPEED CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12378663
 Catalog # : 00136ET3E143T-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 1.34 A	Moment of inertia (J) : 0.0332 sq.ft.lb
LRC : 8.6	Duty cycle : Cont.(S1)
Rated torque : 1.35 ft.lb	Insulation class : F
Locked rotor torque : 229 %	Service factor : 1.25
Breakdown torque : 310 %	Temperature rise : 80 K
Rated speed : 2910 rpm	

Locked rotor time : 46s (cold) 26s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



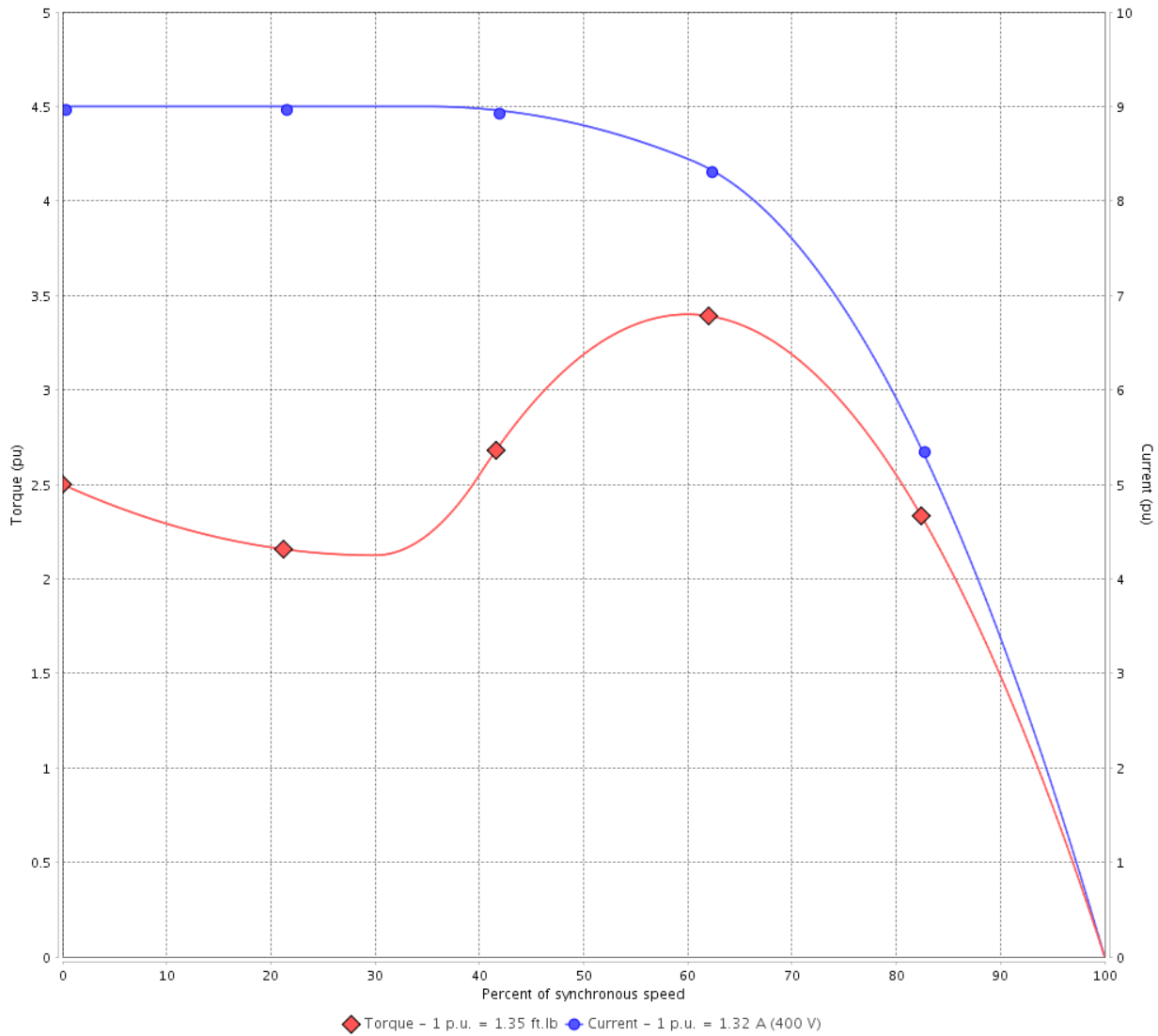
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current	: 1.32 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 9.0	Duty cycle	: Cont.(S1)
Rated torque	: 1.35 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.25
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 2920 rpm		

Locked rotor time : 43s (cold) 24s (hot)

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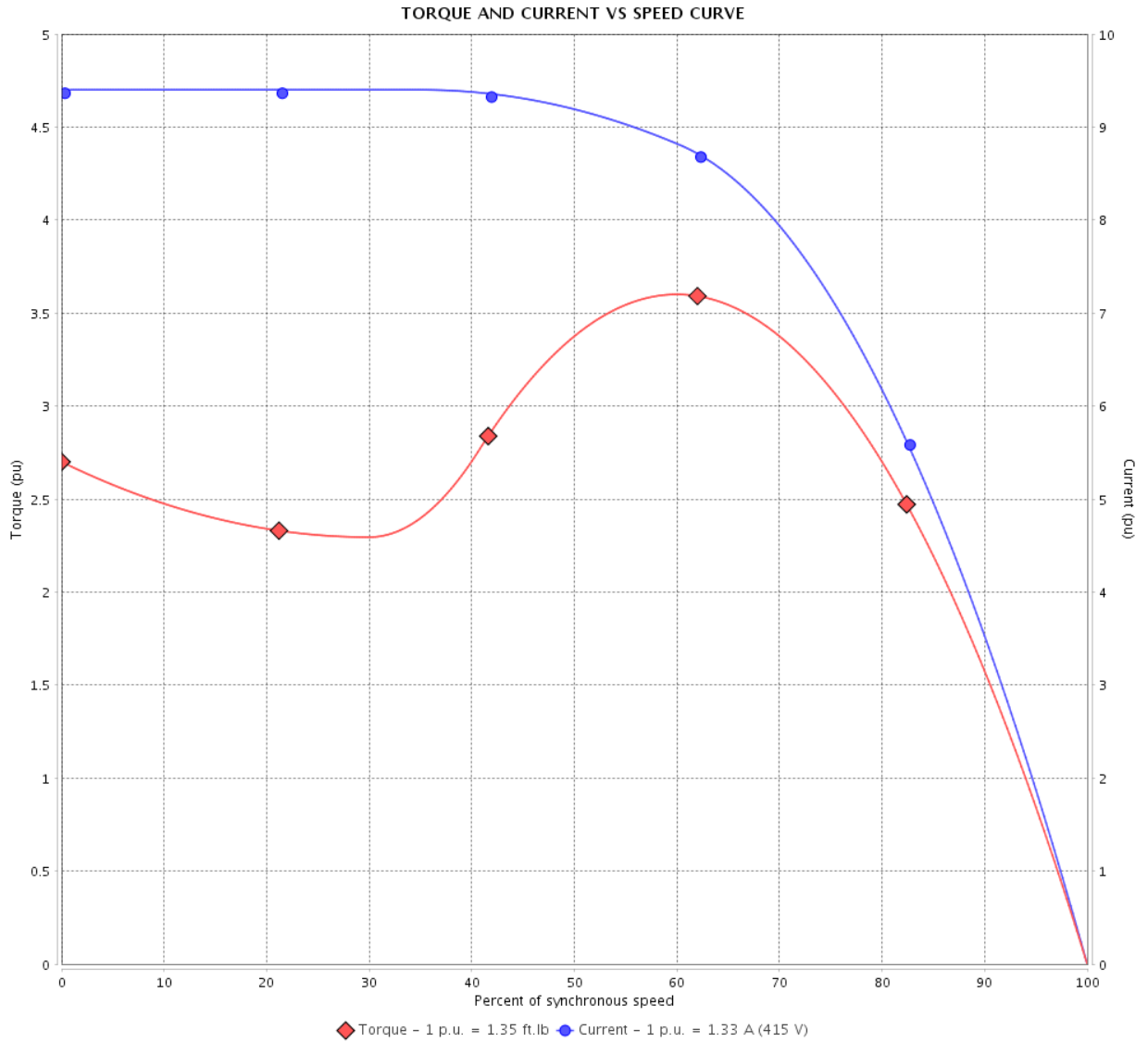
TORQUE AND CURRENT VS SPEED CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
 Product code : 12378663
 Catalog # : 00136ET3E143T-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 1.33 A	Moment of inertia (J) : 0.0332 sq.ft.lb
LRC : 9.4	Duty cycle : Cont.(S1)
Rated torque : 1.35 ft.lb	Insulation class : F
Locked rotor torque : 270 %	Service factor : 1.25
Breakdown torque : 360 %	Temperature rise : 80 K
Rated speed : 2925 rpm	

Locked rotor time : 39s (cold) 22s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



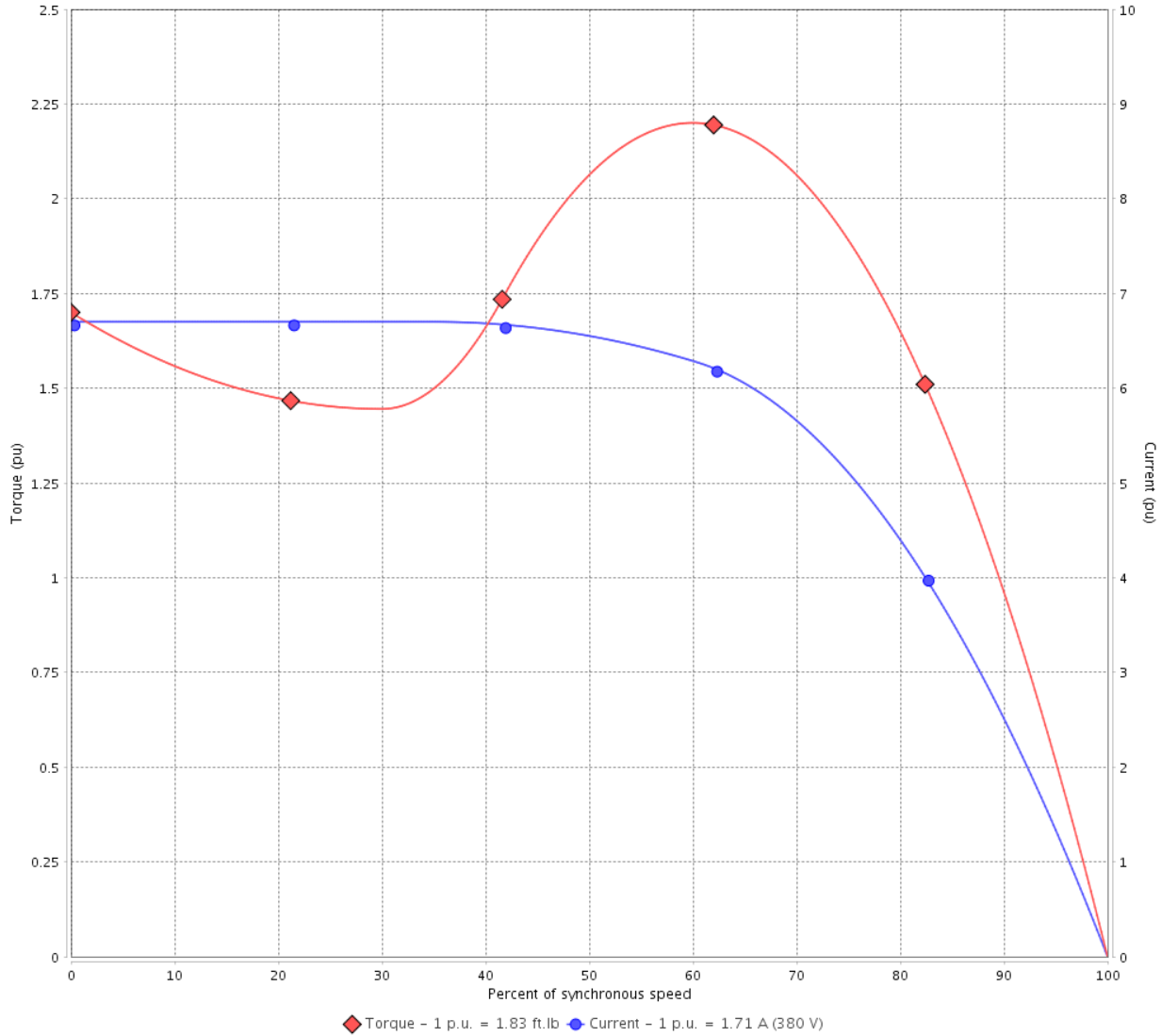
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 380 V 50 Hz 2P IE2

Rated current : 1.71 A
 LRC : 6.7
 Rated torque : 1.83 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 2865 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Locked rotor time : 39s (cold) 22s (hot)

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TORQUE AND CURRENT VS SPEED CURVE



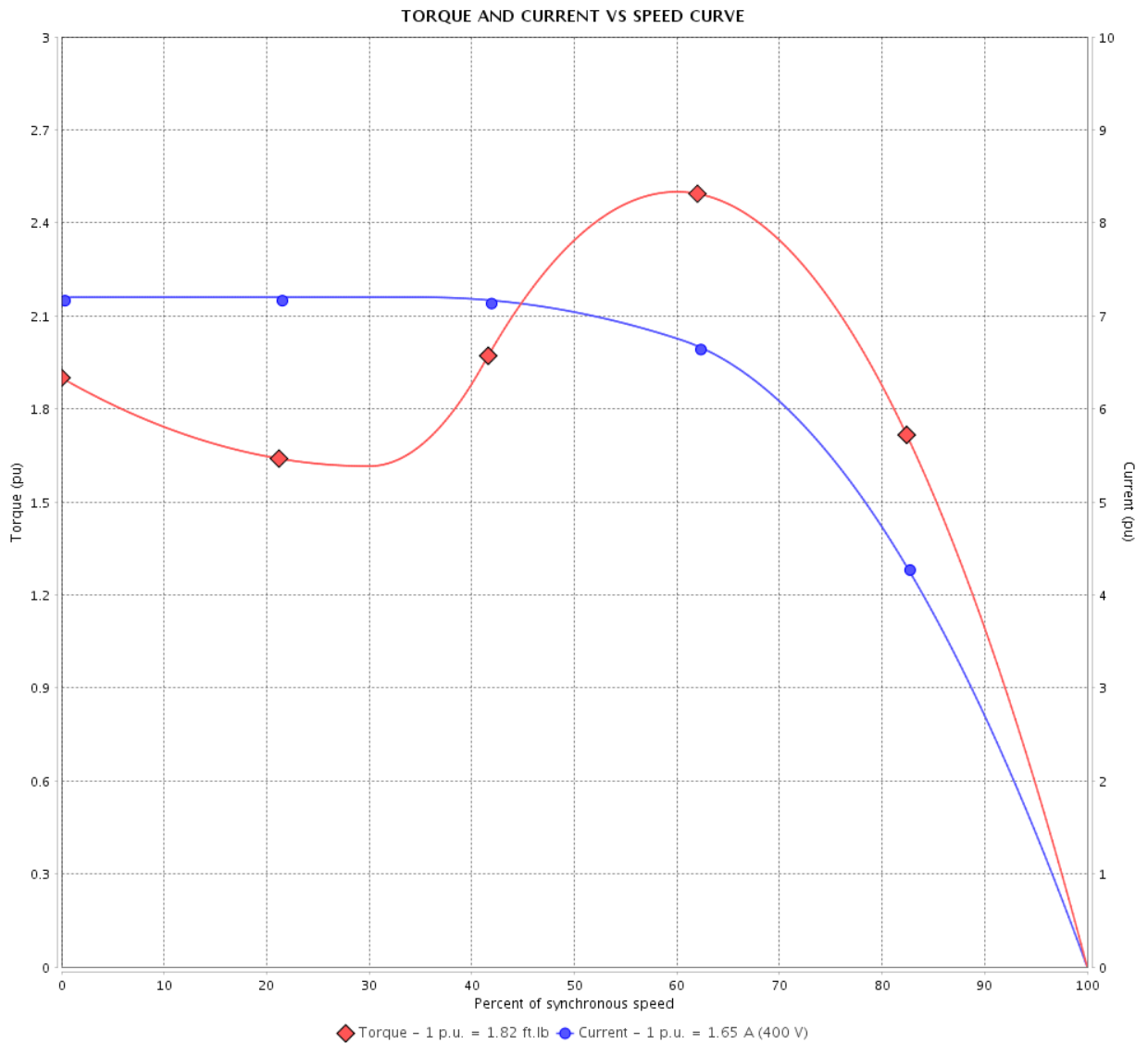
Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 1.65 A
 LRC : 7.2
 Rated torque : 1.82 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2885 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Locked rotor time : 36s (cold) 20s (hot)

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TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage



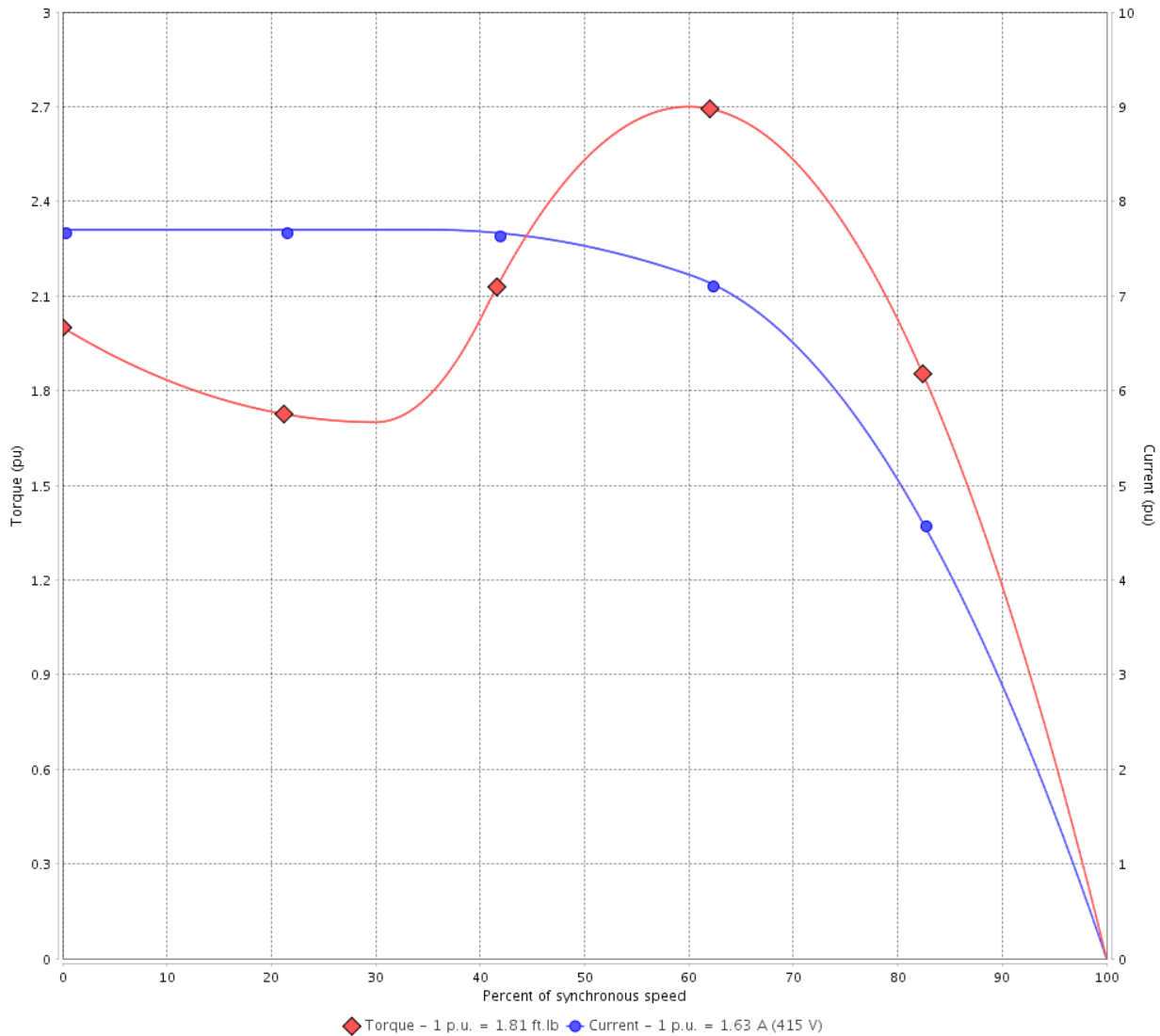
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

TORQUE AND CURRENT VS SPEED CURVE



Performance : 415 V 50 Hz 2P IE2

Rated current	: 1.63 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 1.81 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 2895 rpm		

Locked rotor time : 36s (cold) 20s (hot)

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Three Phase Induction Motor - Squirrel Cage

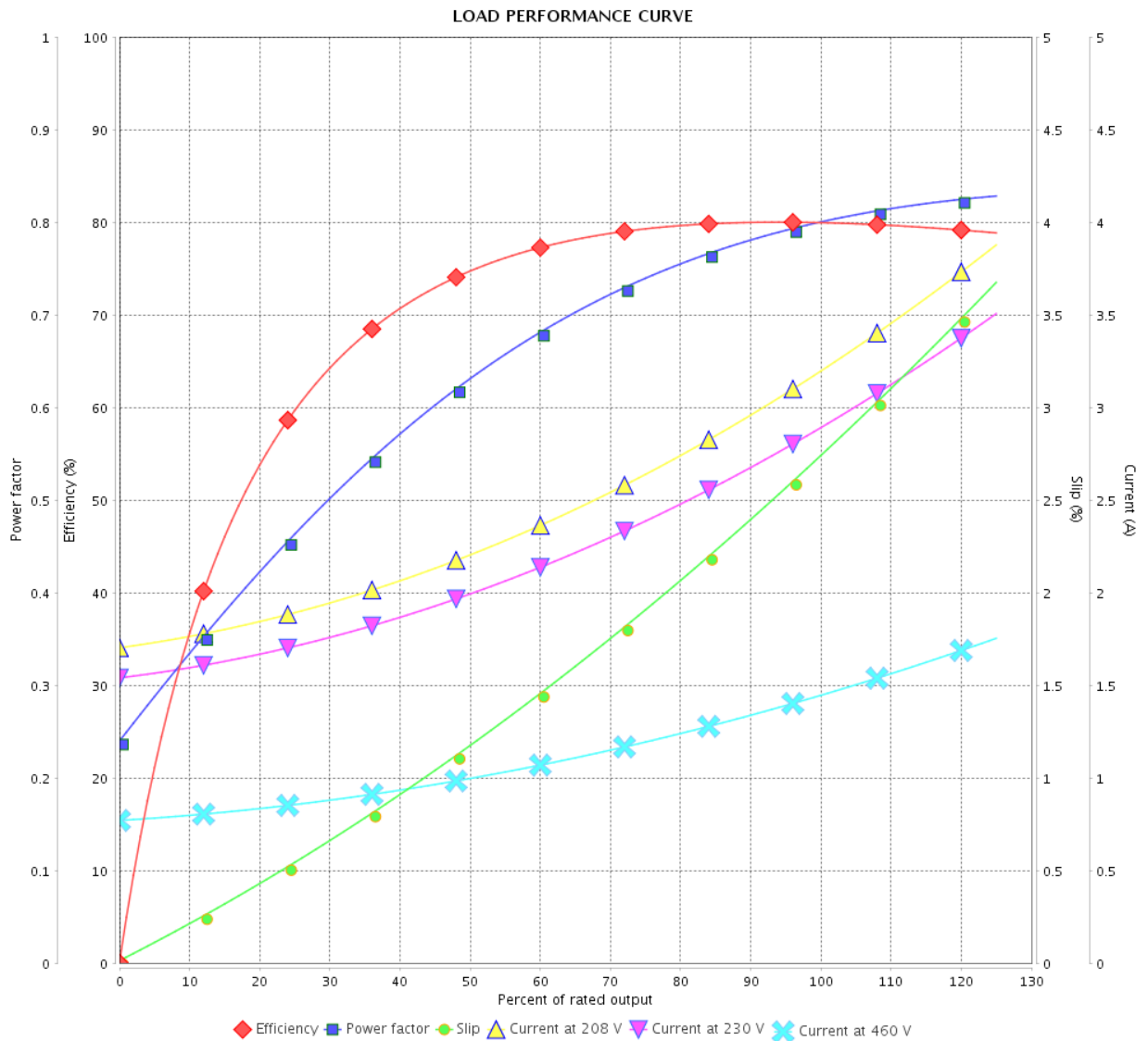


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 2.94/1.47 A
 LRC : 8.2
 Rated torque : 1.50 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Three Phase Induction Motor - Squirrel Cage



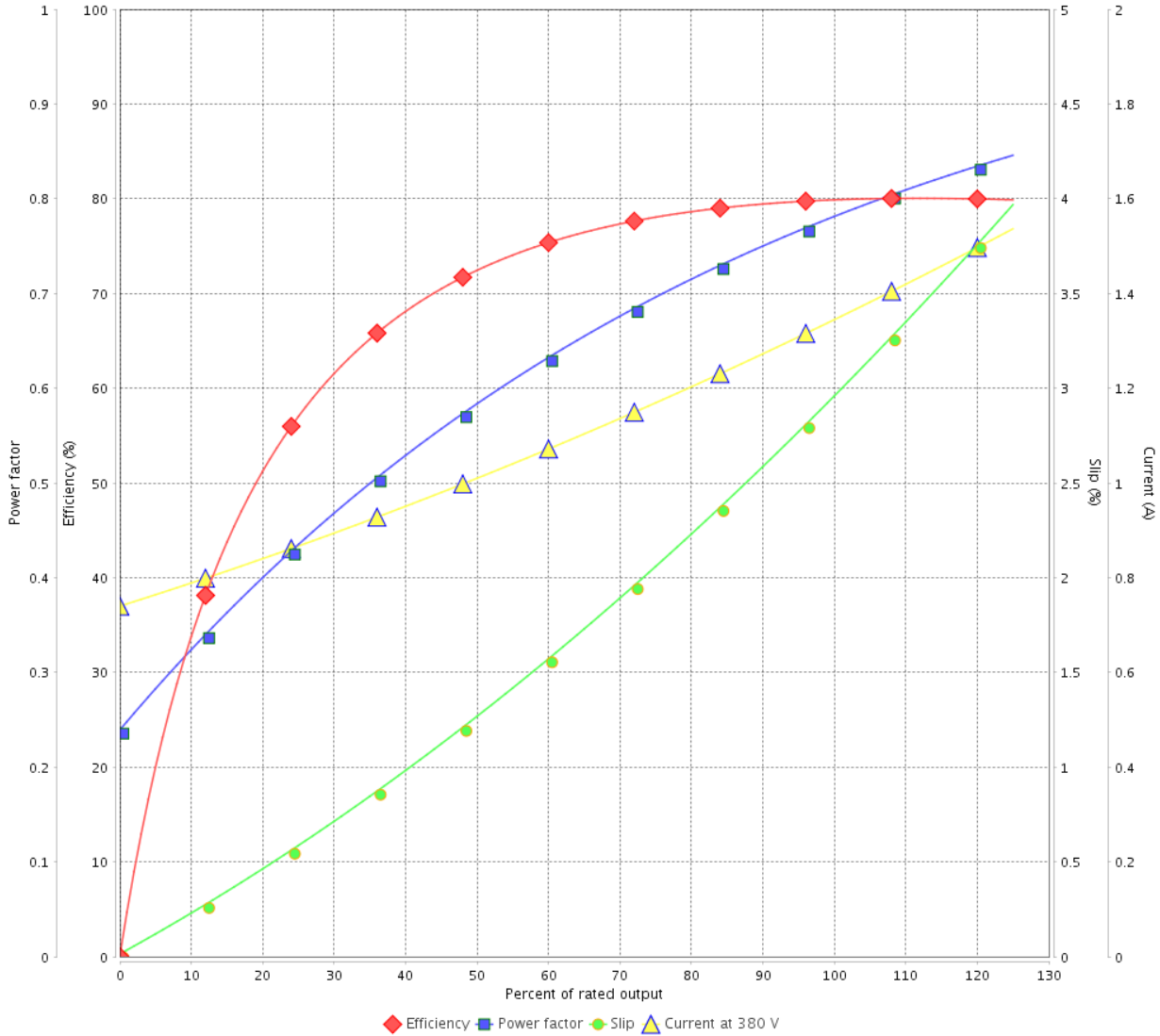
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

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Performance : 380 V 50 Hz 2P IE3

Rated current : 1.34 A
 LRC : 8.6
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 310 %
 Rated speed : 2910 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Three Phase Induction Motor - Squirrel Cage

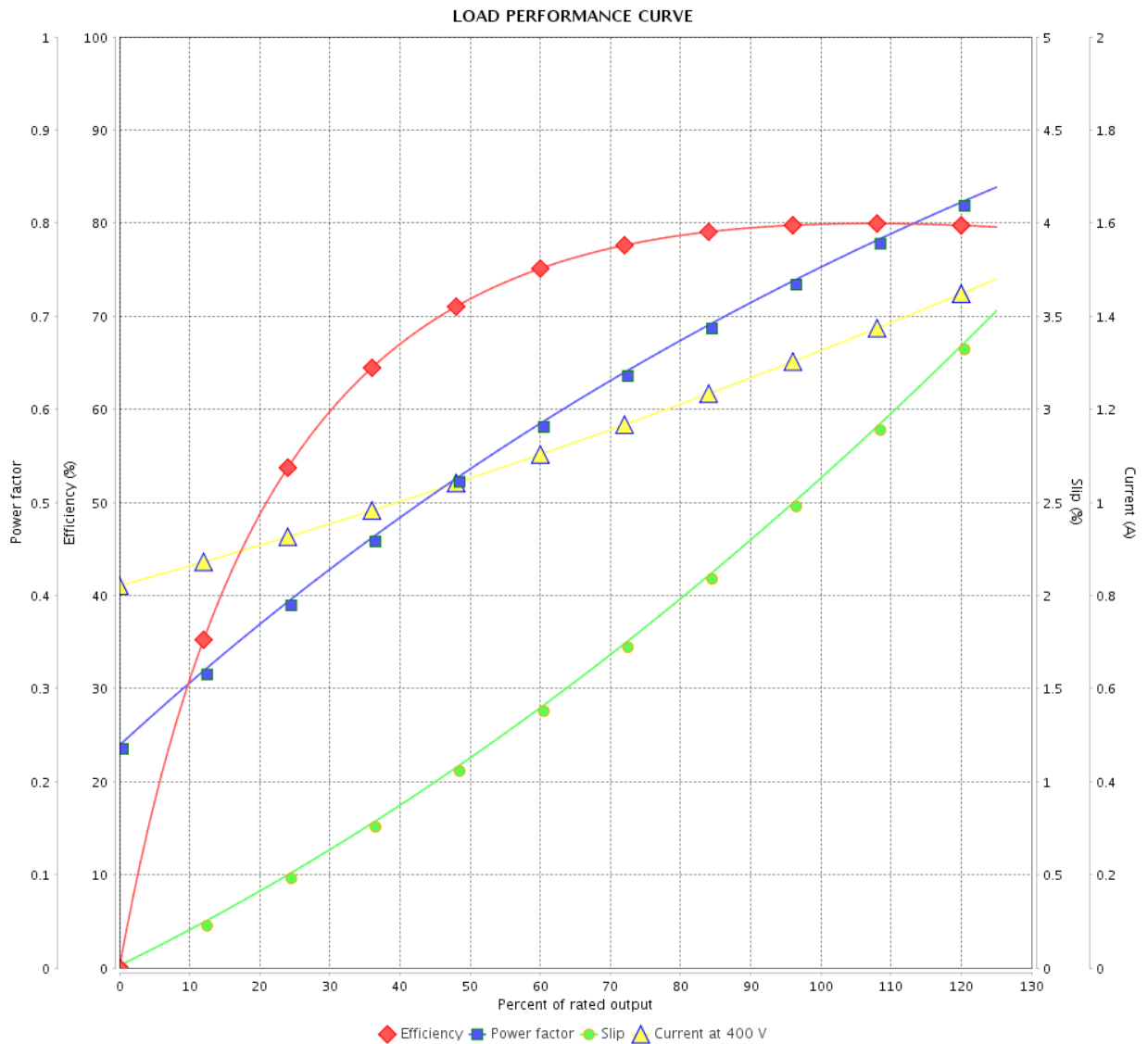


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 400 V 50 Hz 2P IE3

Rated current : 1.32 A
 LRC : 9.0
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 340 %
 Rated speed : 2920 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Three Phase Induction Motor - Squirrel Cage



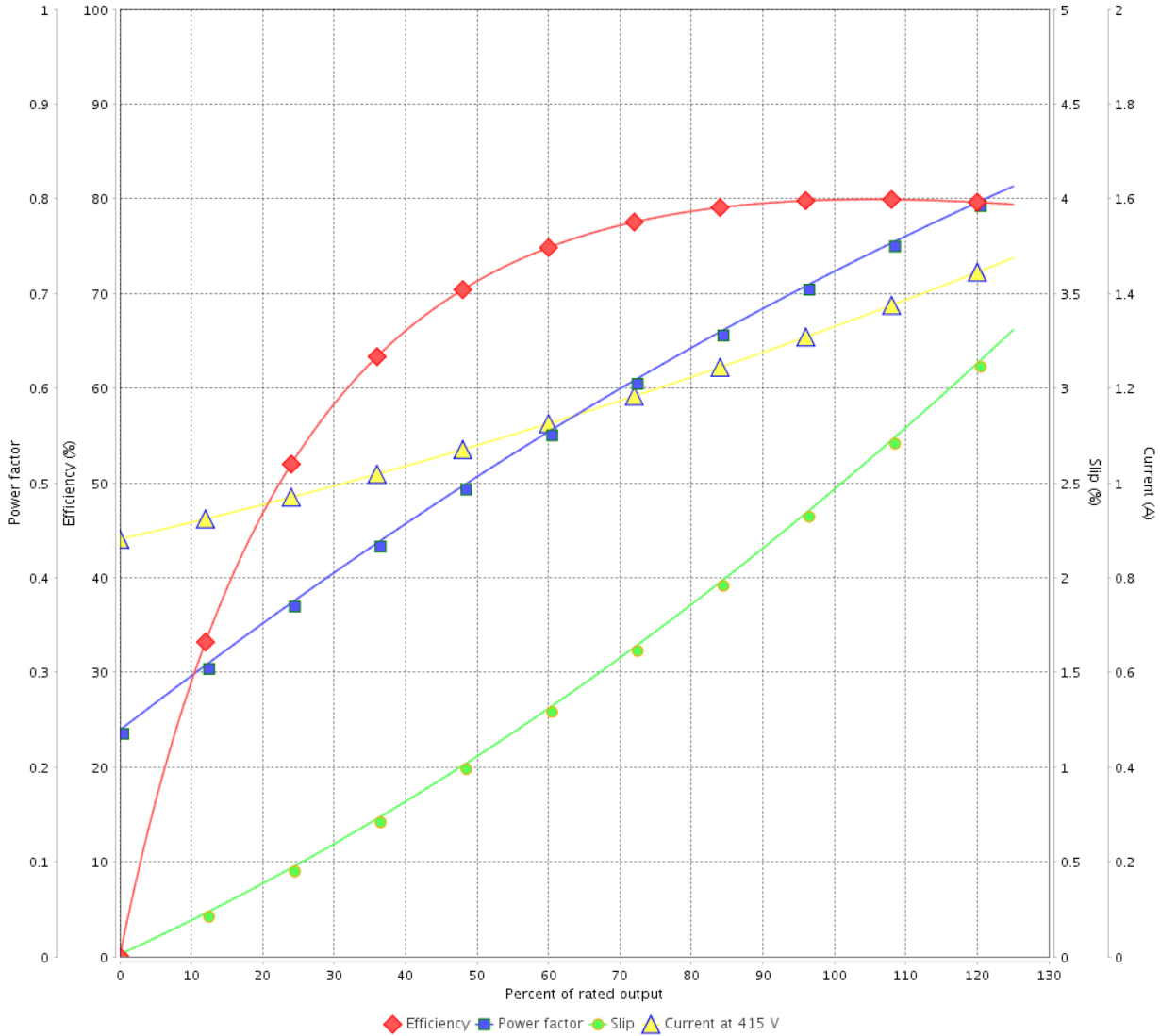
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

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Performance : 415 V 50 Hz 2P IE3

Rated current : 1.33 A
 LRC : 9.4
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 360 %
 Rated speed : 2925 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Three Phase Induction Motor - Squirrel Cage

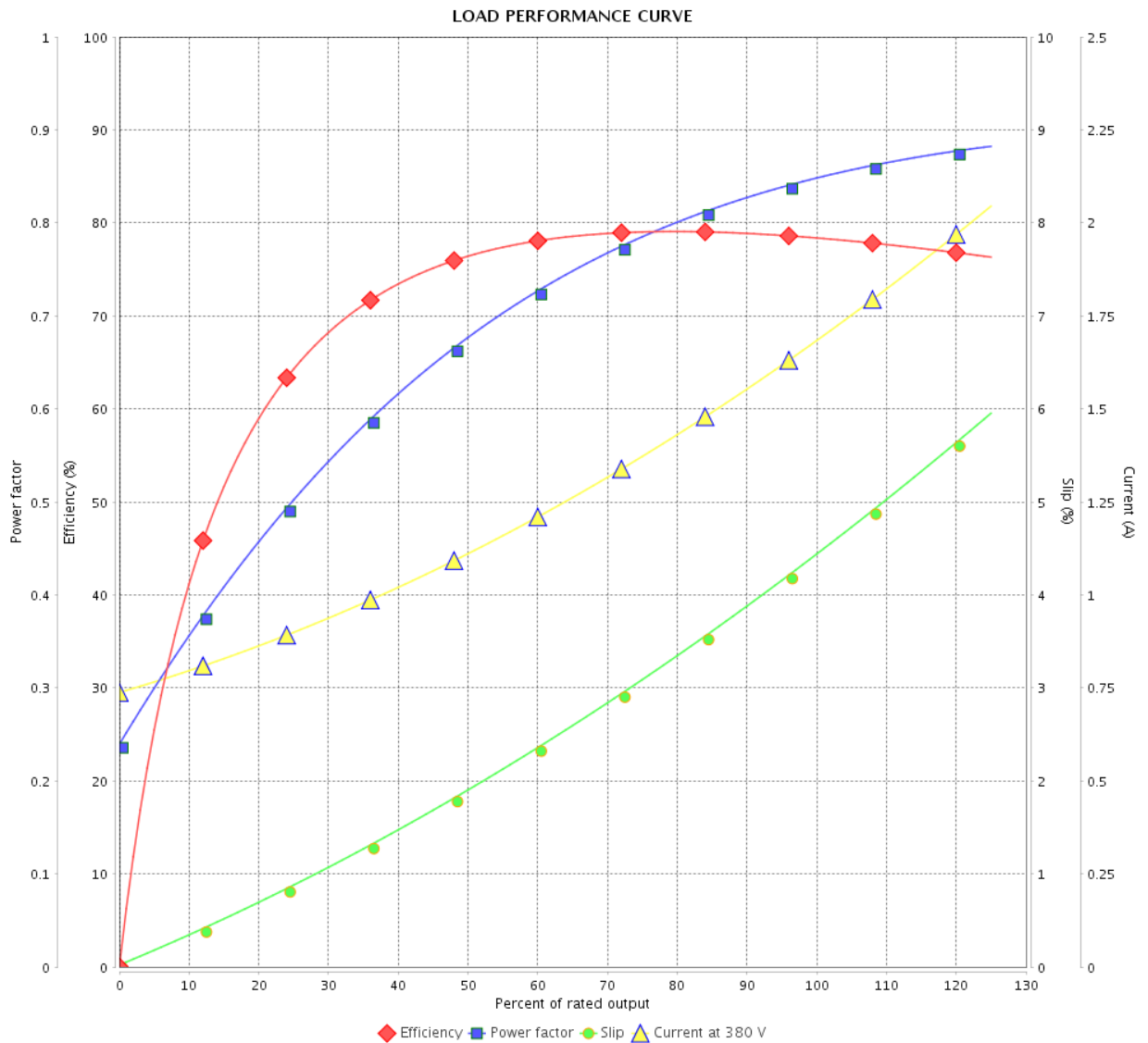


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 380 V 50 Hz 2P IE2

Rated current : 1.71 A
 LRC : 6.7
 Rated torque : 1.83 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 2865 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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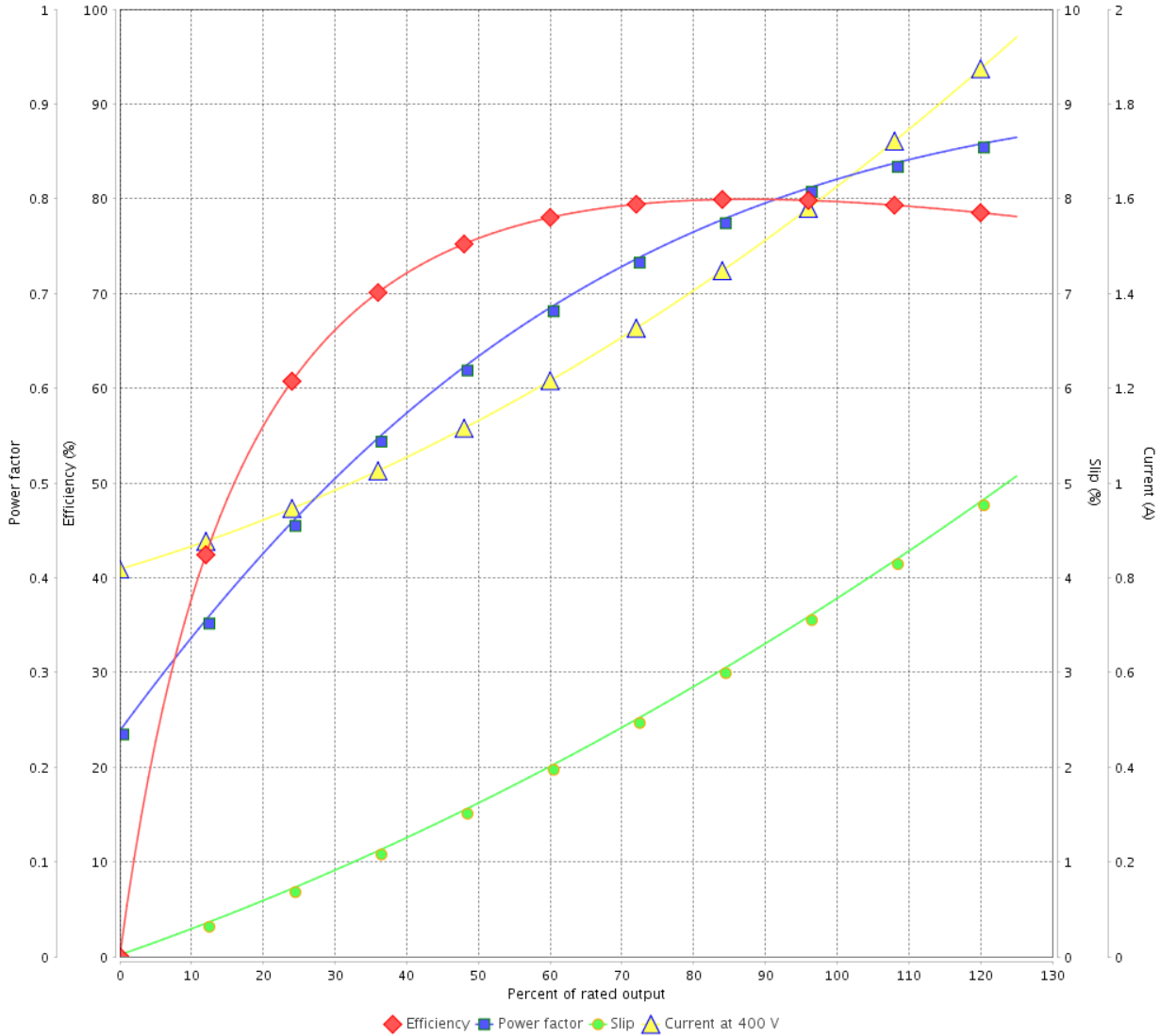
Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

LOAD PERFORMANCE CURVE



Performance : 400 V 50 Hz 2P IE2

Rated current : 1.65 A
 LRC : 7.2
 Rated torque : 1.82 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2885 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Three Phase Induction Motor - Squirrel Cage

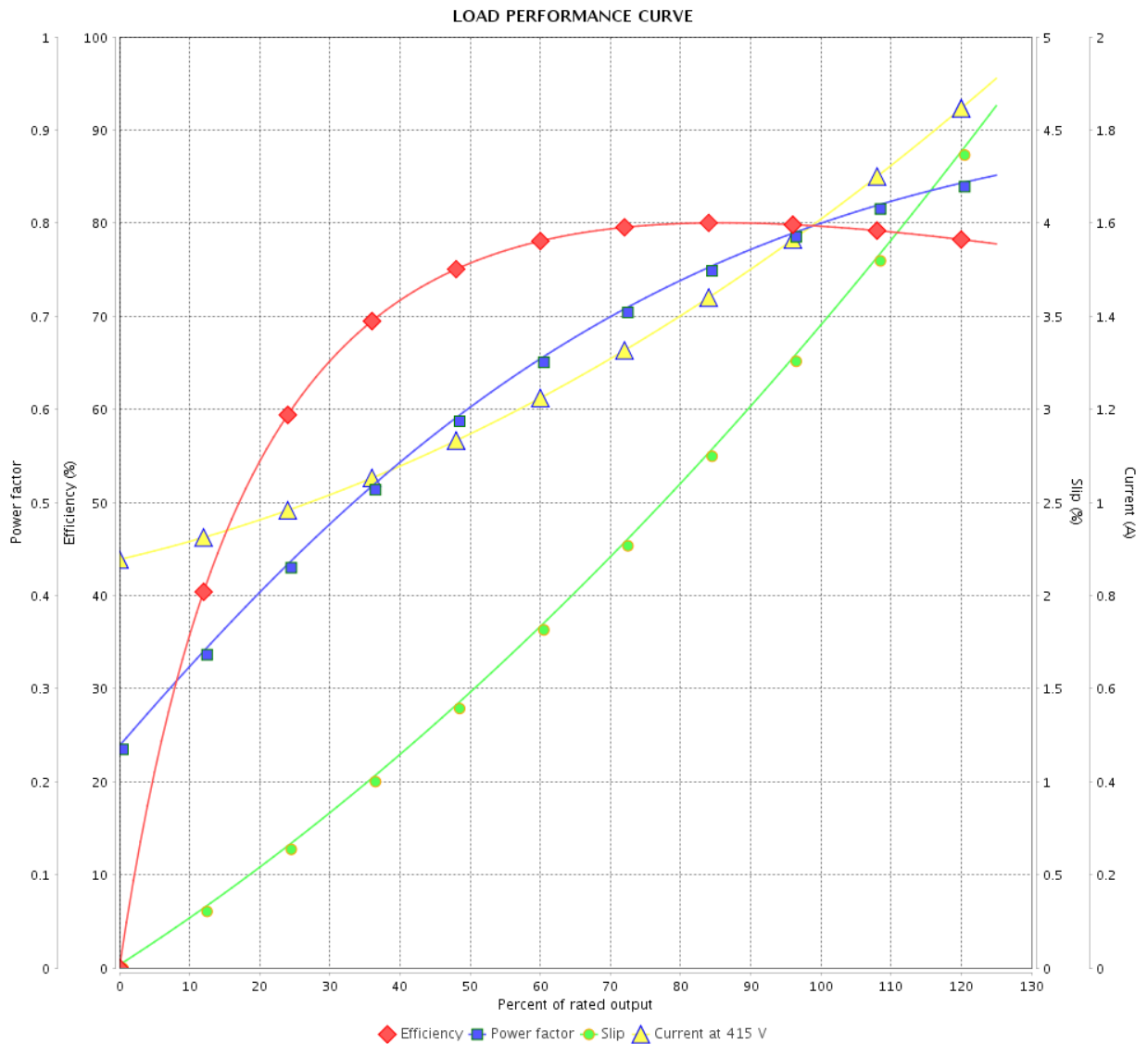


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 415 V 50 Hz 2P IE2

Rated current : 1.63 A
 LRC : 7.7
 Rated torque : 1.81 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 2895 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 230/460 V 60 Hz 2P

Rated current : 2.94/1.47 A	Moment of inertia (J) : 0.0332 sq.ft.lb
LRC : 8.2	Duty cycle : Cont.(S1)
Rated torque : 1.50 ft.lb	Insulation class : F
Locked rotor torque : 220 %	Service factor : 1.25
Breakdown torque : 310 %	Temperature rise : 80 K
Rated speed : 3500 rpm	

Heating constant

Cooling constant

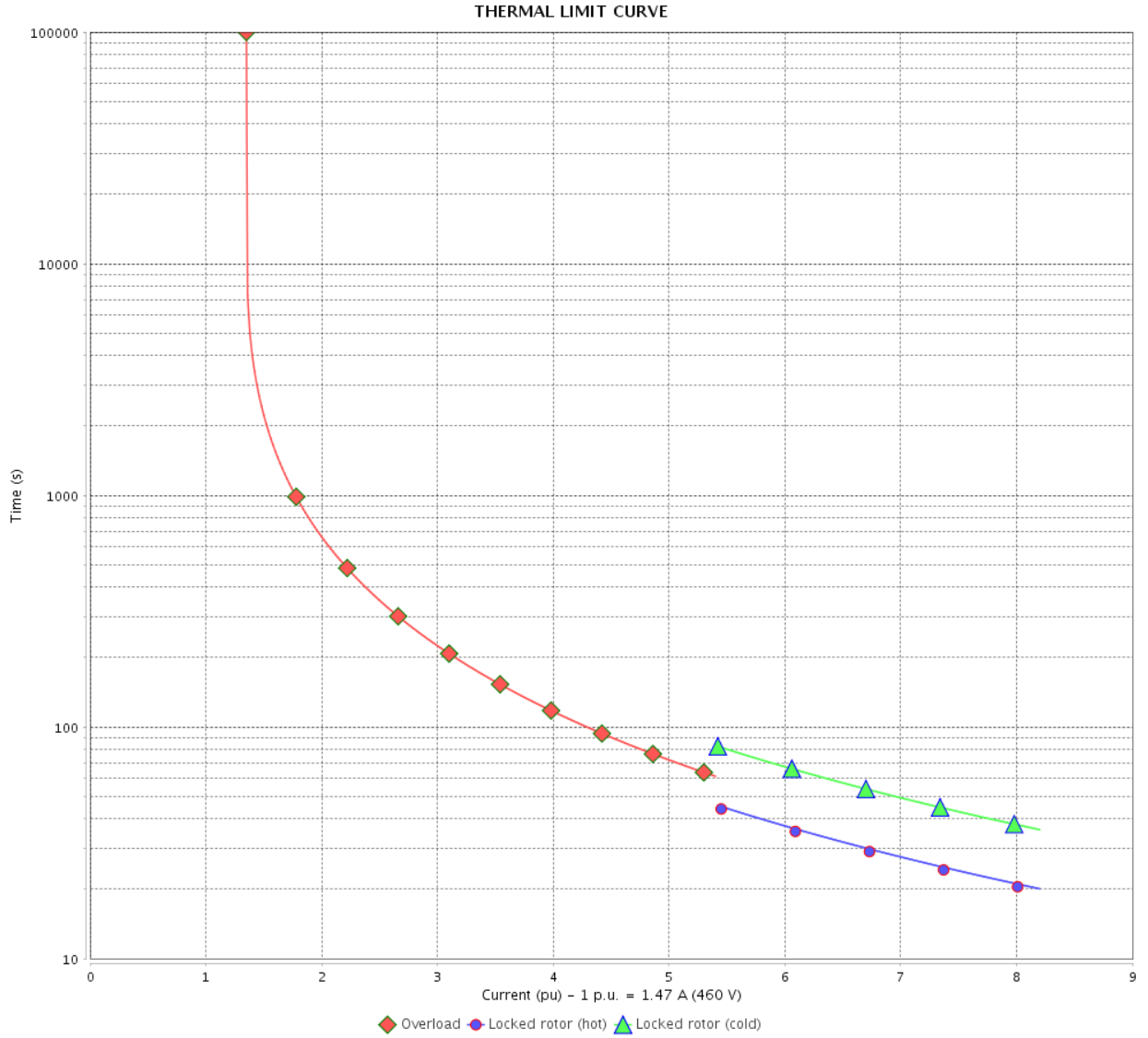
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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 380 V 50 Hz 2P IE3

Rated current	: 1.34 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 8.6	Duty cycle	: Cont.(S1)
Rated torque	: 1.35 ft.lb	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 310 %	Temperature rise	: 80 K
Rated speed	: 2910 rpm		

Heating constant

Cooling constant

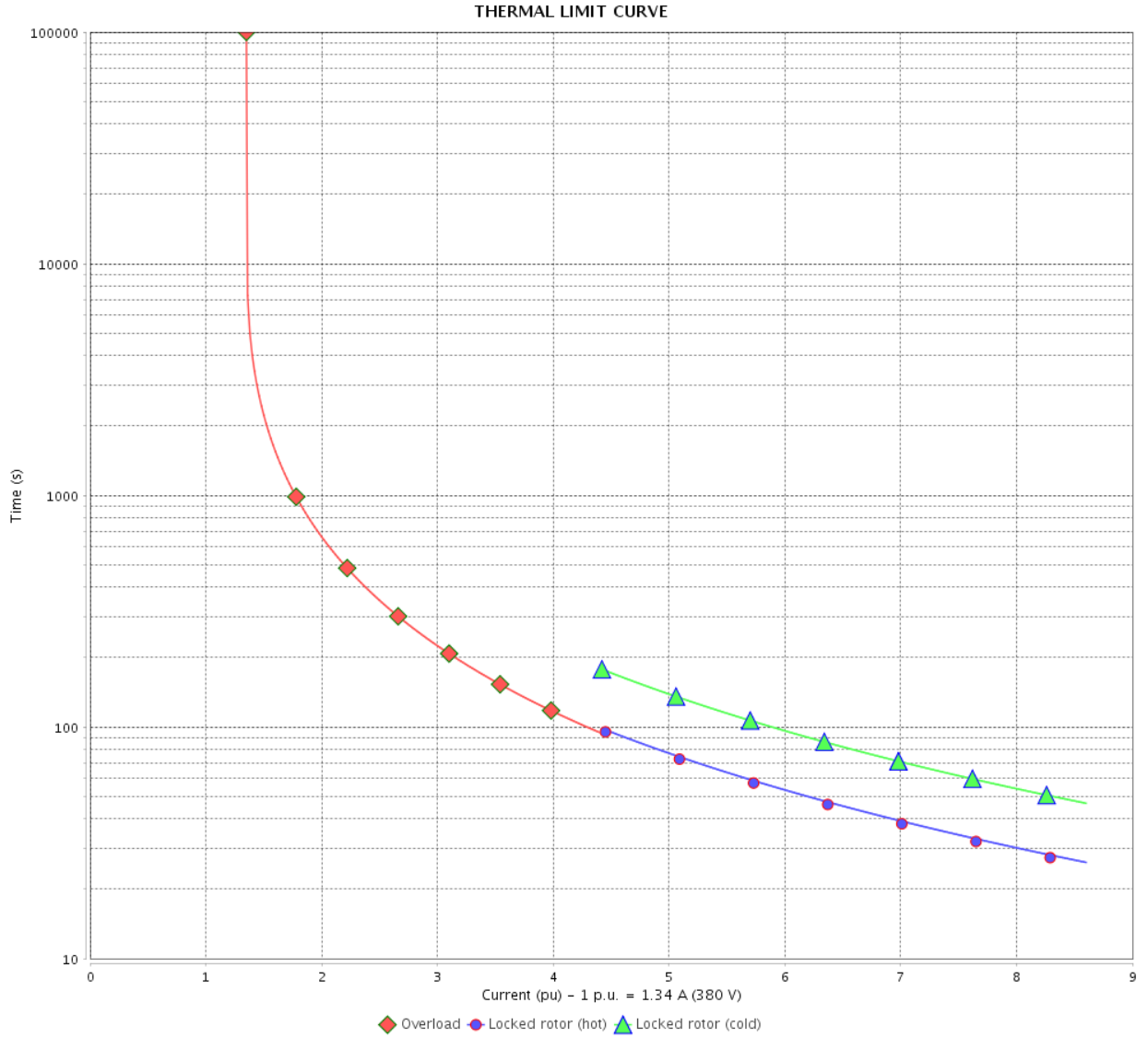
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 400 V 50 Hz 2P IE3

Rated current	: 1.32 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 9.0	Duty cycle	: Cont.(S1)
Rated torque	: 1.35 ft.lb	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.25
Breakdown torque	: 340 %	Temperature rise	: 80 K
Rated speed	: 2920 rpm		

Heating constant

Cooling constant

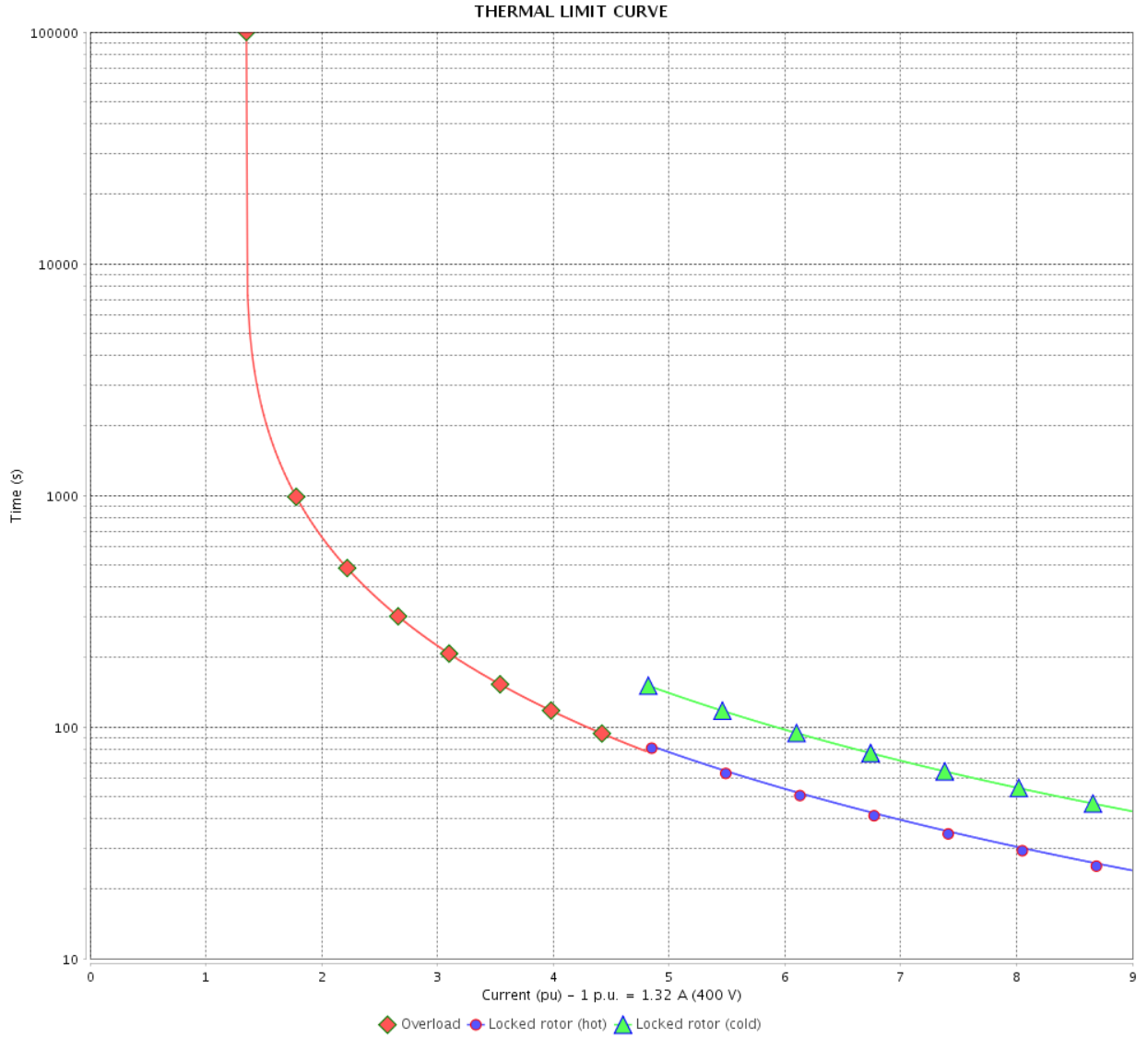
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Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

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Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 415 V 50 Hz 2P IE3

Rated current	: 1.33 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 9.4	Duty cycle	: Cont.(S1)
Rated torque	: 1.35 ft.lb	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 360 %	Temperature rise	: 80 K
Rated speed	: 2925 rpm		

Heating constant

Cooling constant

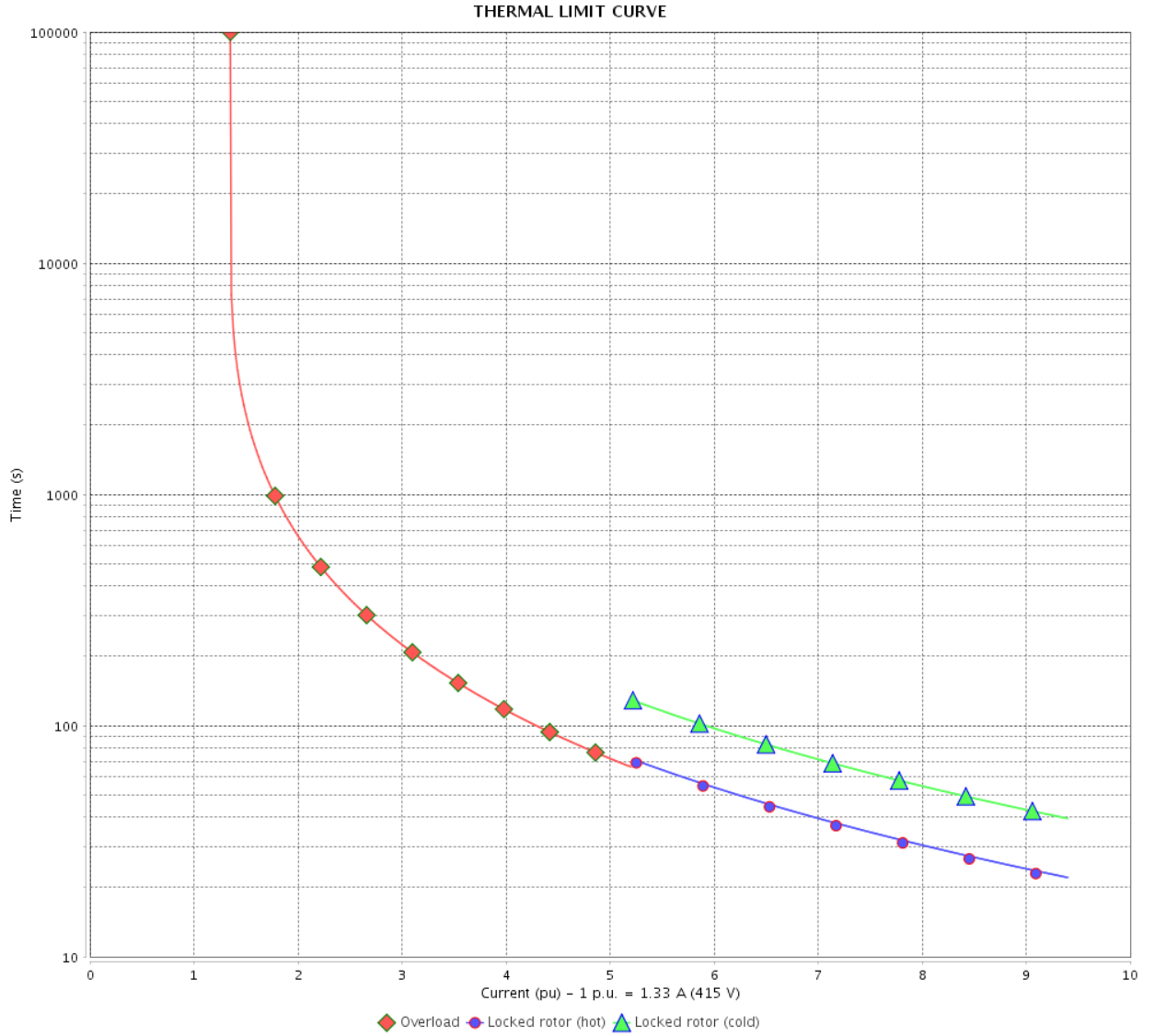
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THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 380 V 50 Hz 2P IE2

Rated current	: 1.71 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 6.7	Duty cycle	: Cont.(S1)
Rated torque	: 1.83 ft.lb	Insulation class	: F
Locked rotor torque	: 170 %	Service factor	: 1.25
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 2865 rpm		

Heating constant

Cooling constant

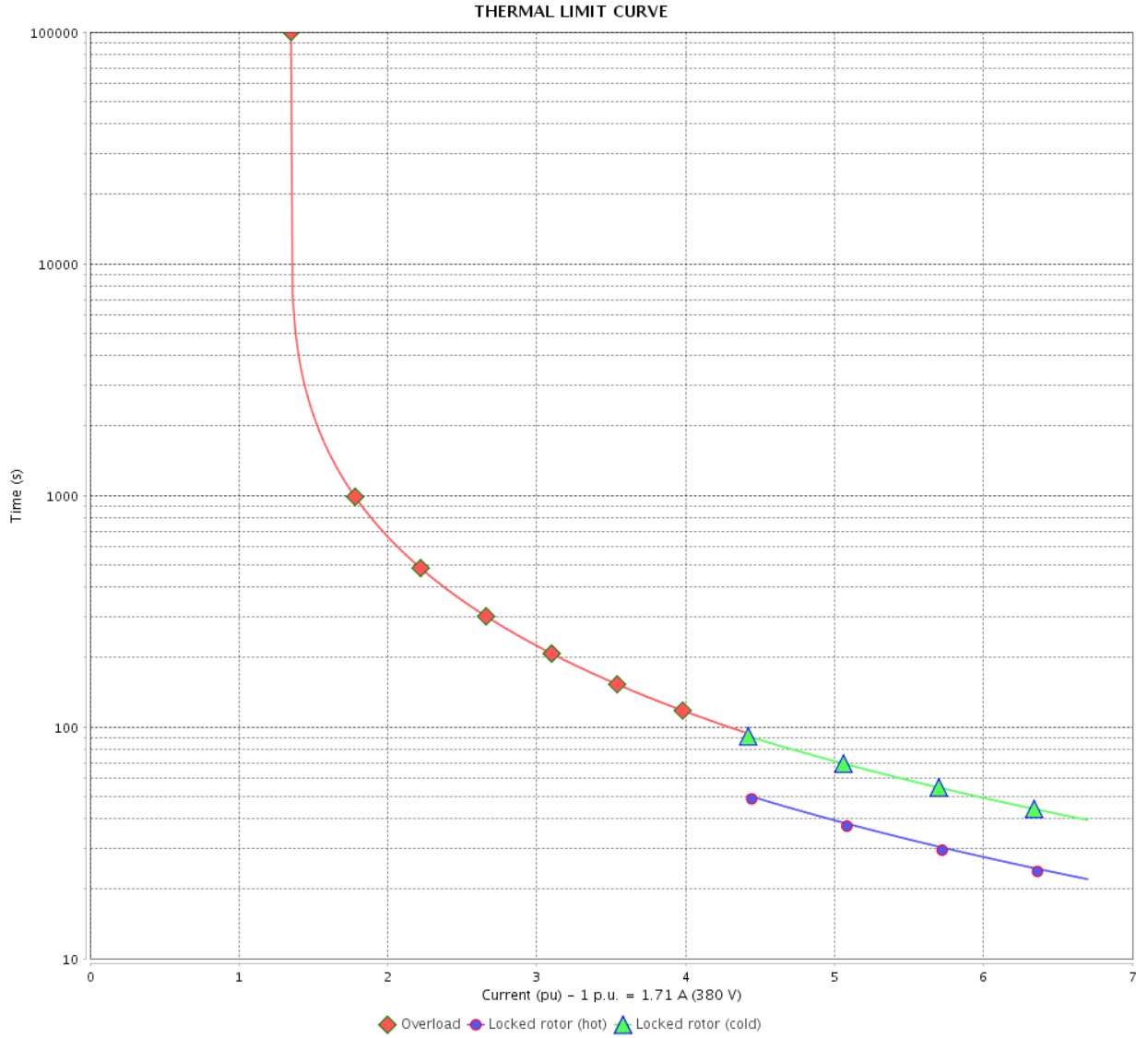
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Customer : _____



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Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 400 V 50 Hz 2P IE2

Rated current	: 1.65 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 1.82 ft.lb	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.25
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 2885 rpm		

Heating constant

Cooling constant

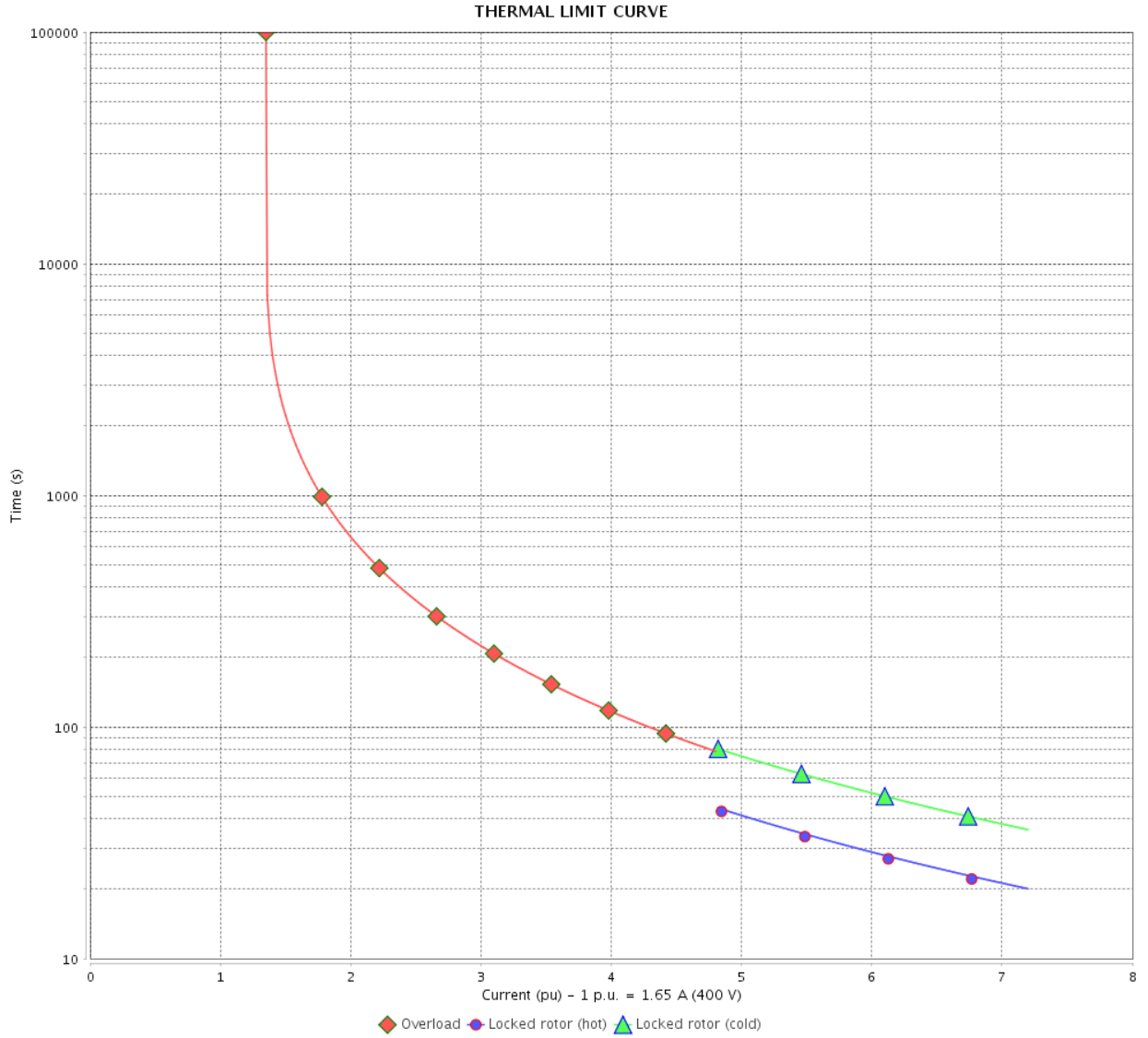
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	14/04/2022		26 / 36	

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 27 / 36		Revision
Checked by				
Date				

THERMAL LIMIT CURVE



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : NEMA Premium Efficiency Three-Phase
Product code : 12378663
Catalog # : 00136ET3E143T-W22

Performance : 415 V 50 Hz 2P IE2

Rated current	: 1.63 A	Moment of inertia (J)	: 0.0332 sq.ft.lb
LRC	: 7.7	Duty cycle	: Cont.(S1)
Rated torque	: 1.81 ft.lb	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 2895 rpm		

Heating constant

Cooling constant

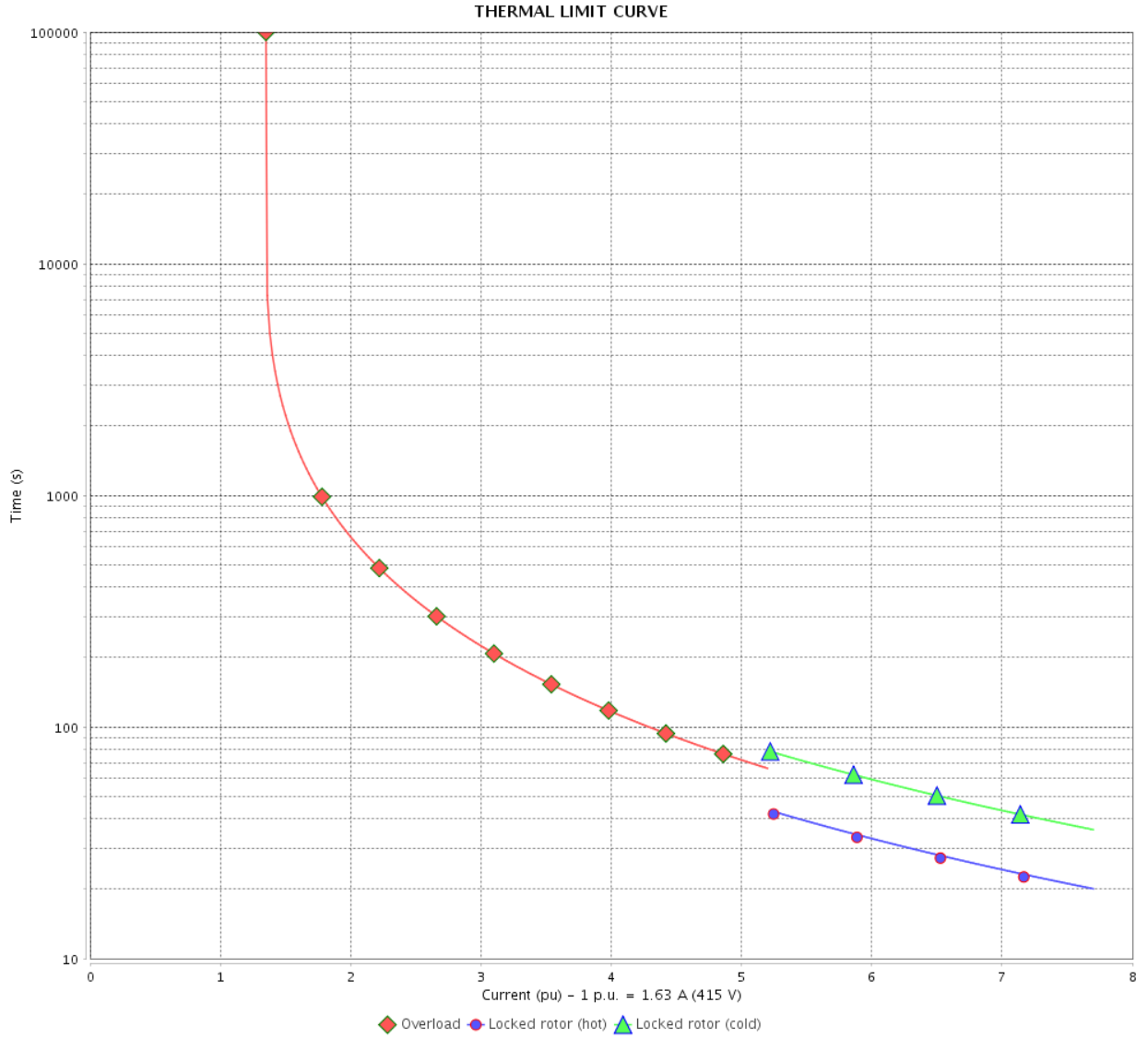
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	14/04/2022		Page 28 / 36	Revision

THERMAL LIMIT CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____



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Performed by		Page		Revision
Checked by		29 / 36		
Date		14/04/2022		

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

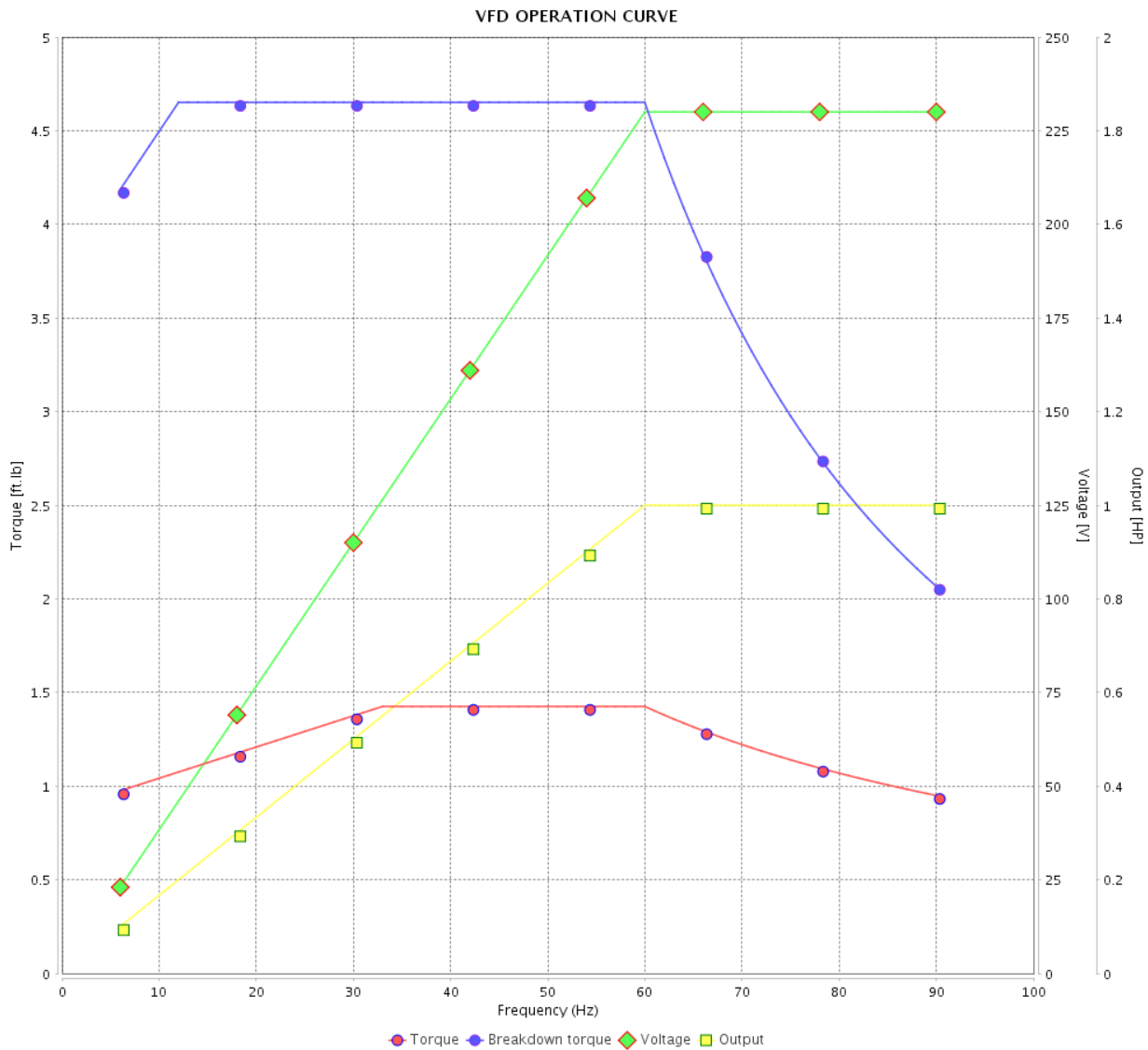


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 230/460 V 60 Hz 2P

Rated current : 2.94/1.47 A
 LRC : 8.2
 Rated torque : 1.50 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 310 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 30 / 36	Revision
Checked by				
Date	14/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

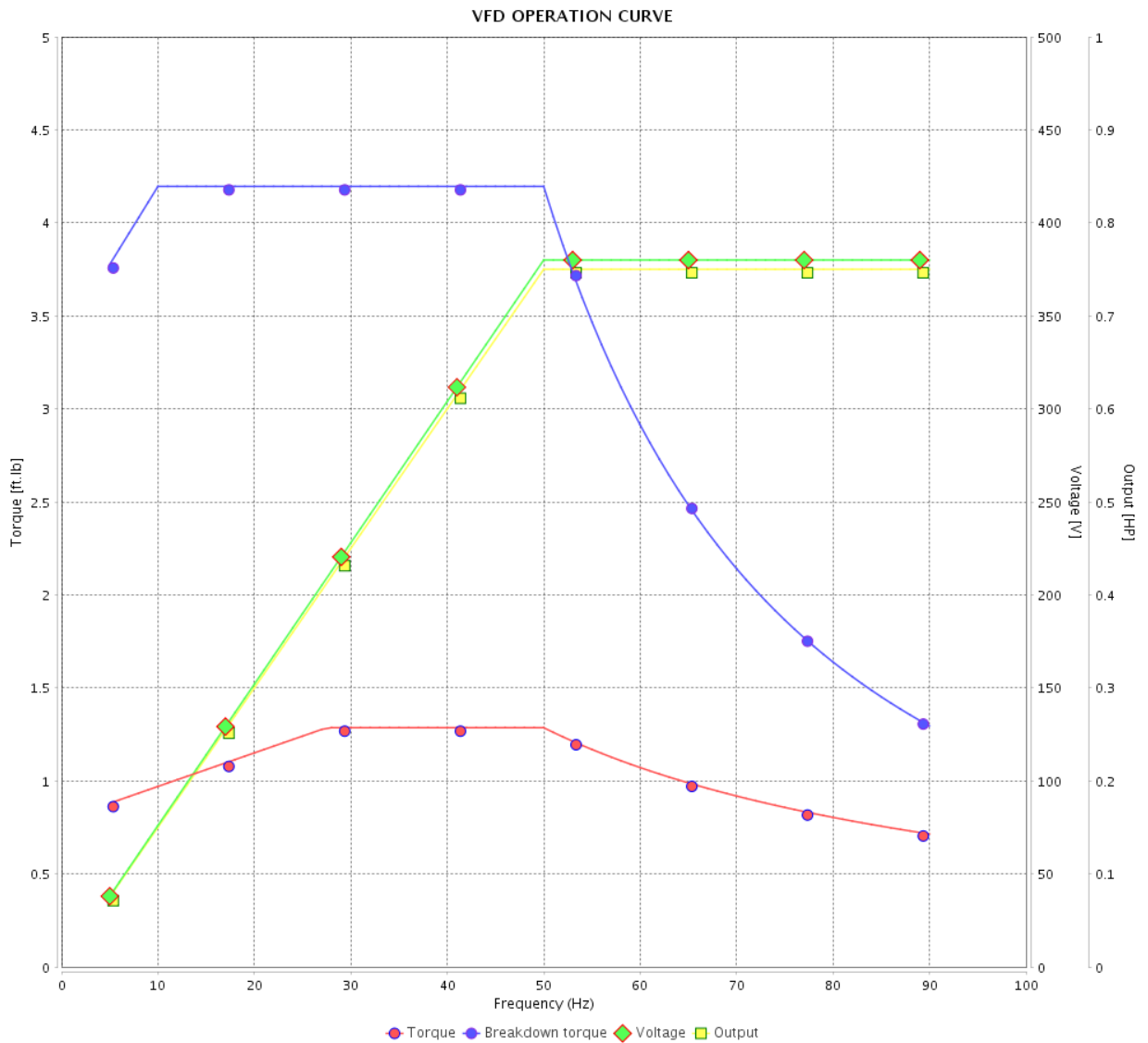


Customer : _____

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 380 V 50 Hz 2P IE3

Rated current : 1.34 A
 LRC : 8.6
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 229 %
 Breakdown torque : 310 %
 Rated speed : 2910 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 31 / 36	Revision
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Date	14/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage



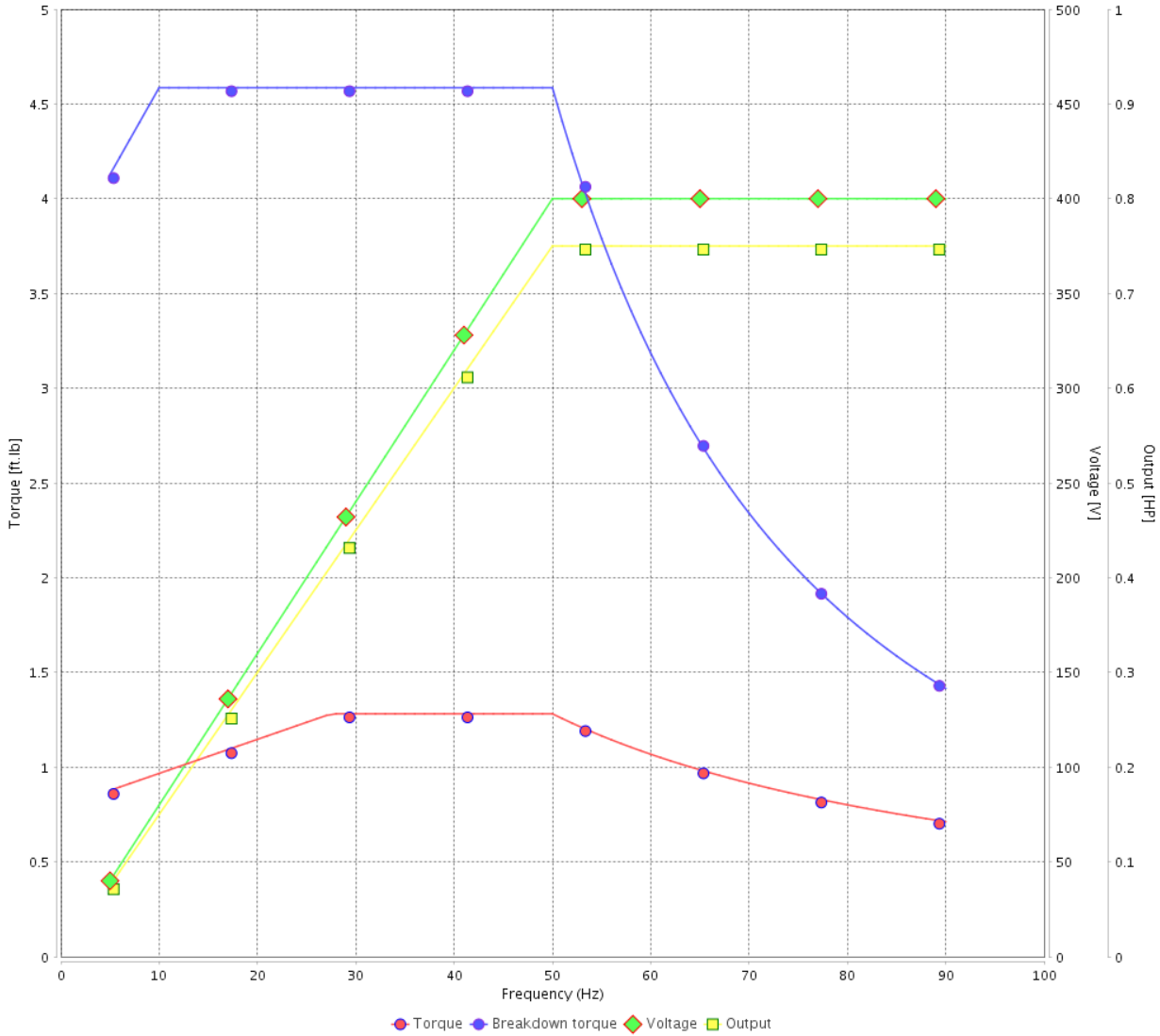
Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

VFD OPERATION CURVE



Performance : 400 V 50 Hz 2P IE3

Rated current : 1.32 A
 LRC : 9.0
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 340 %
 Rated speed : 2920 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 32 / 36	Revision
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Date	14/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

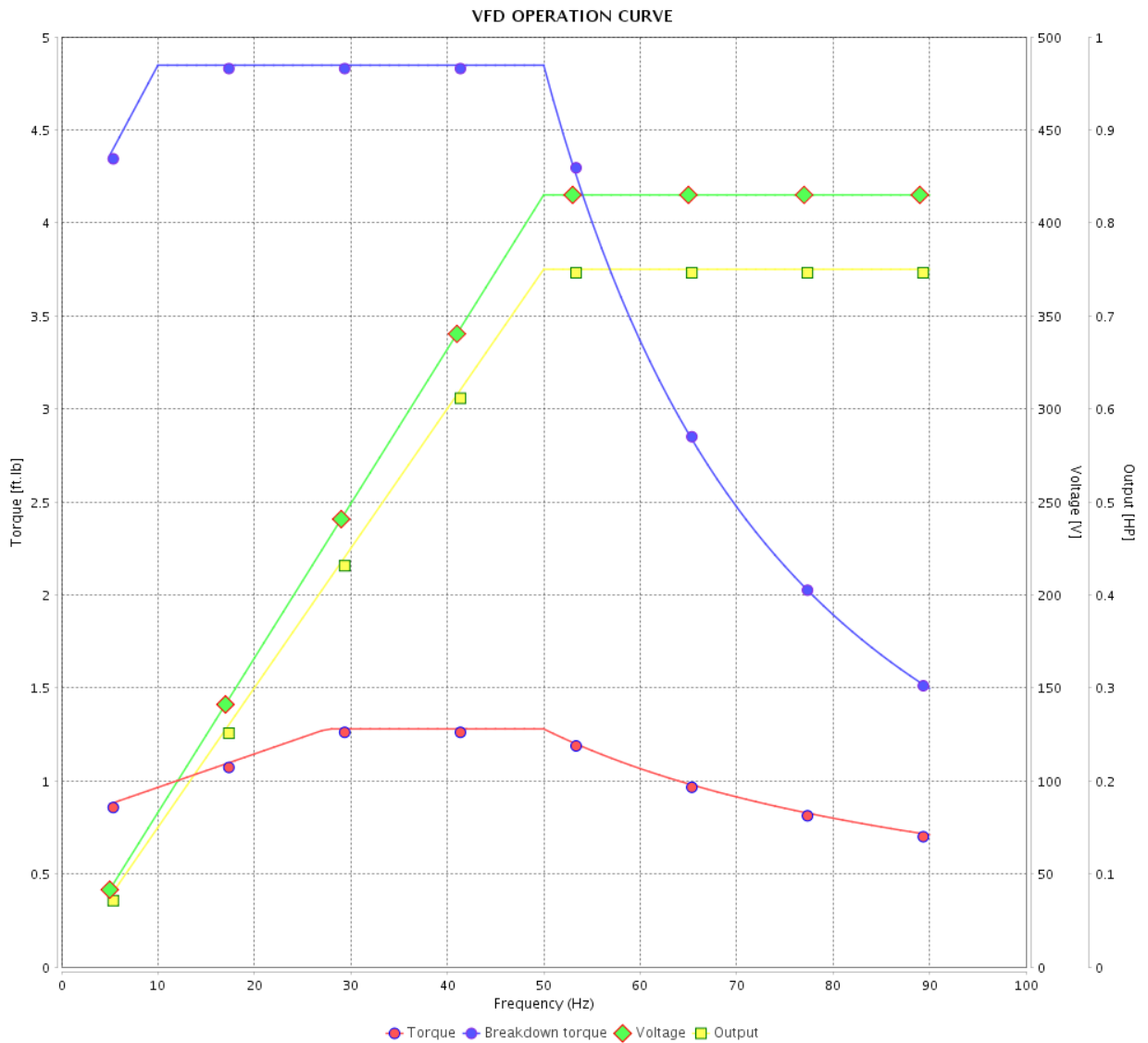


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 415 V 50 Hz 2P IE3

Rated current : 1.33 A
 LRC : 9.4
 Rated torque : 1.35 ft.lb
 Locked rotor torque : 270 %
 Breakdown torque : 360 %
 Rated speed : 2925 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

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Date	14/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

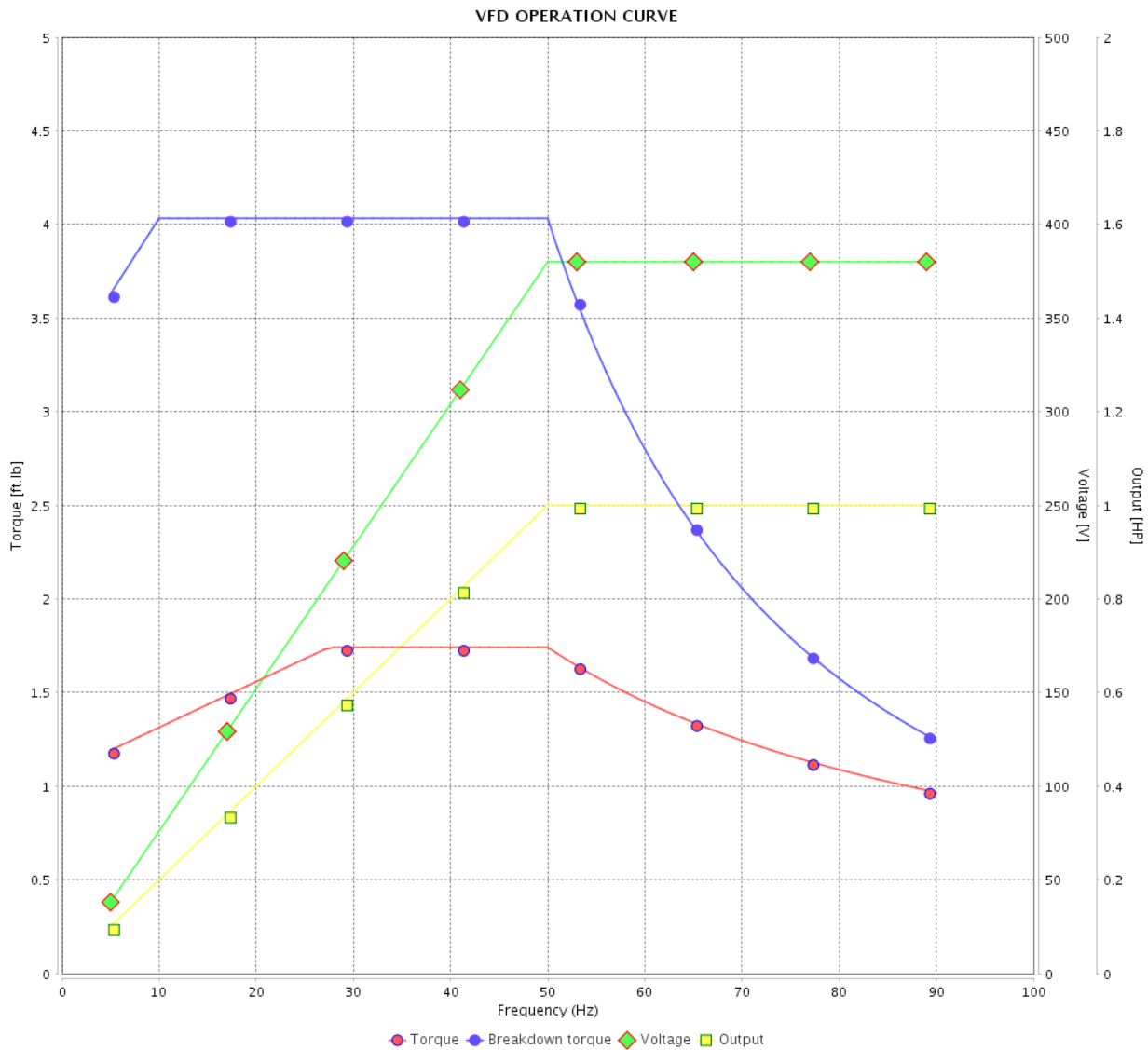


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 380 V 50 Hz 2P IE2

Rated current : 1.71 A
 LRC : 6.7
 Rated torque : 1.83 ft.lb
 Locked rotor torque : 170 %
 Breakdown torque : 220 %
 Rated speed : 2865 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 34 / 36	Revision
Checked by				
Date	14/04/2022			

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

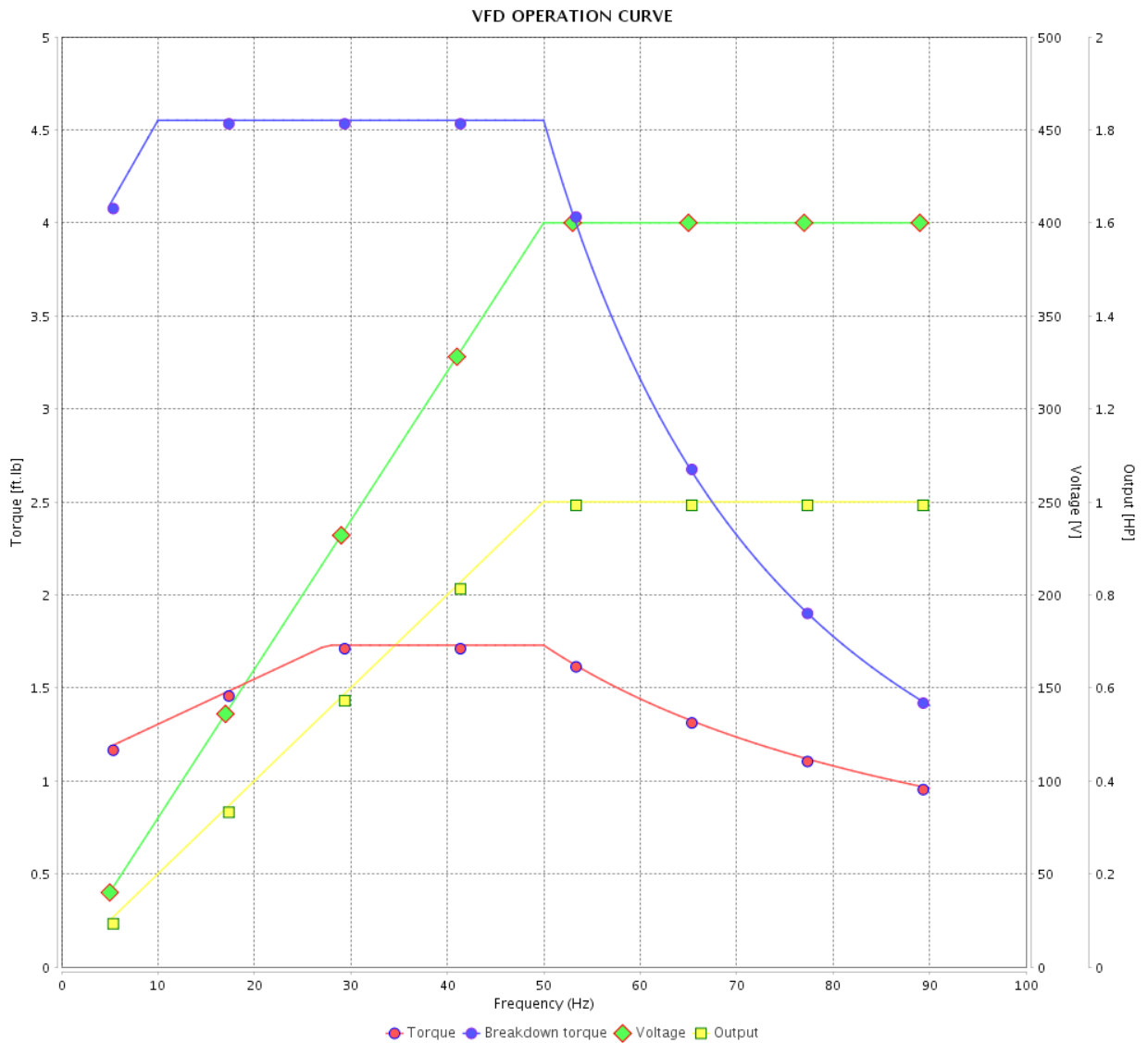


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22



Performance : 400 V 50 Hz 2P IE2

Rated current : 1.65 A
 LRC : 7.2
 Rated torque : 1.82 ft.lb
 Locked rotor torque : 190 %
 Breakdown torque : 250 %
 Rated speed : 2885 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				
			35 / 36	

VFD OPERATION CURVE

Three Phase Induction Motor - Squirrel Cage

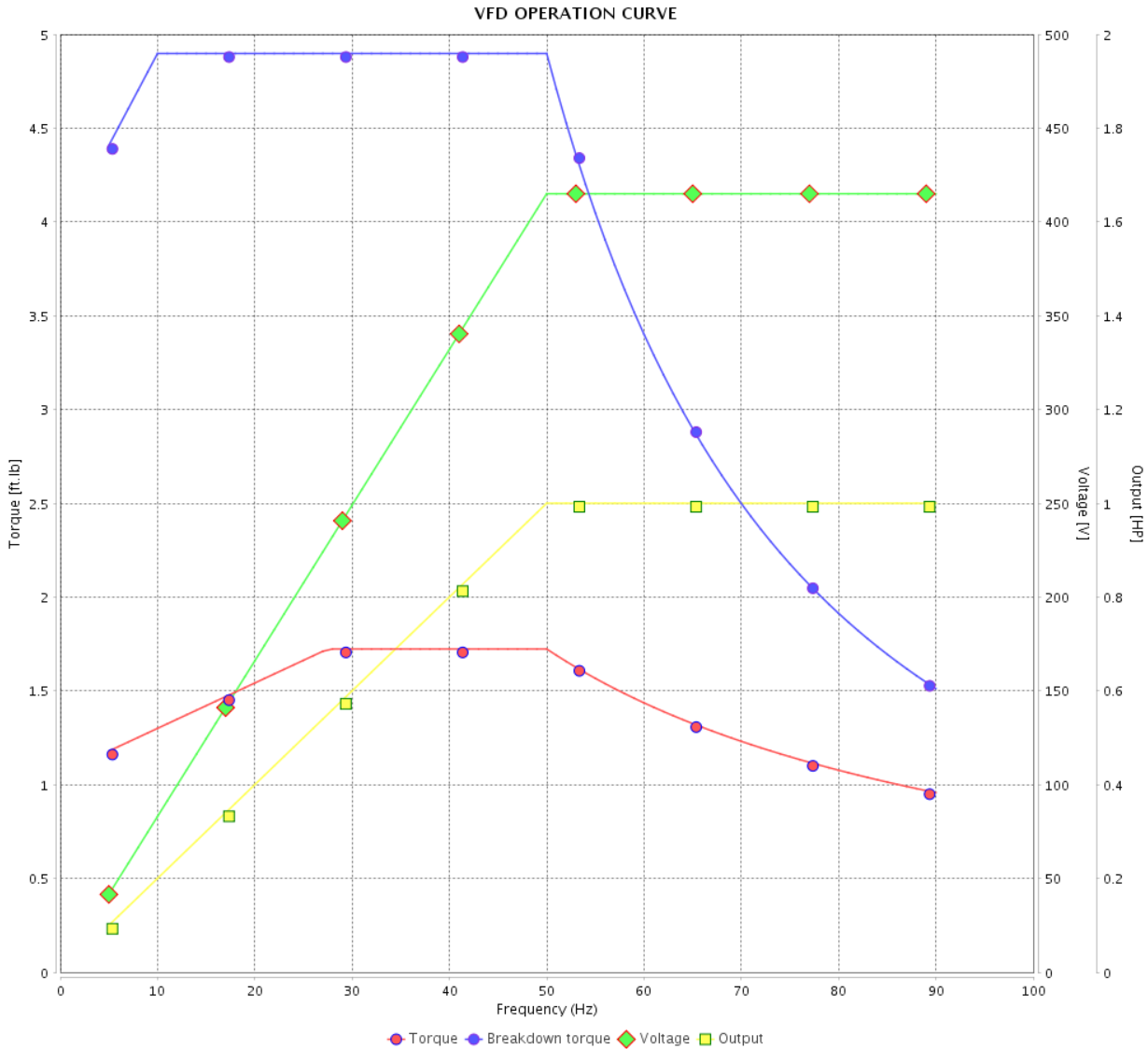


Customer :

Product line : NEMA Premium Efficiency Three-Phase

Product code : 12378663

Catalog # : 00136ET3E143T-W22

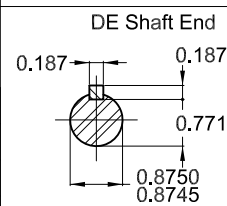
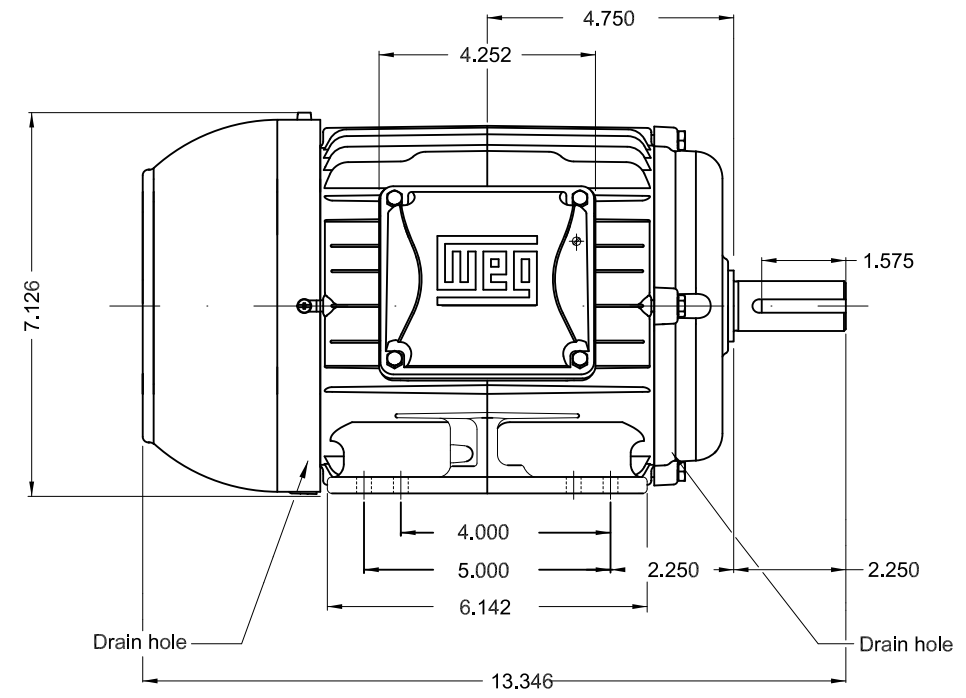
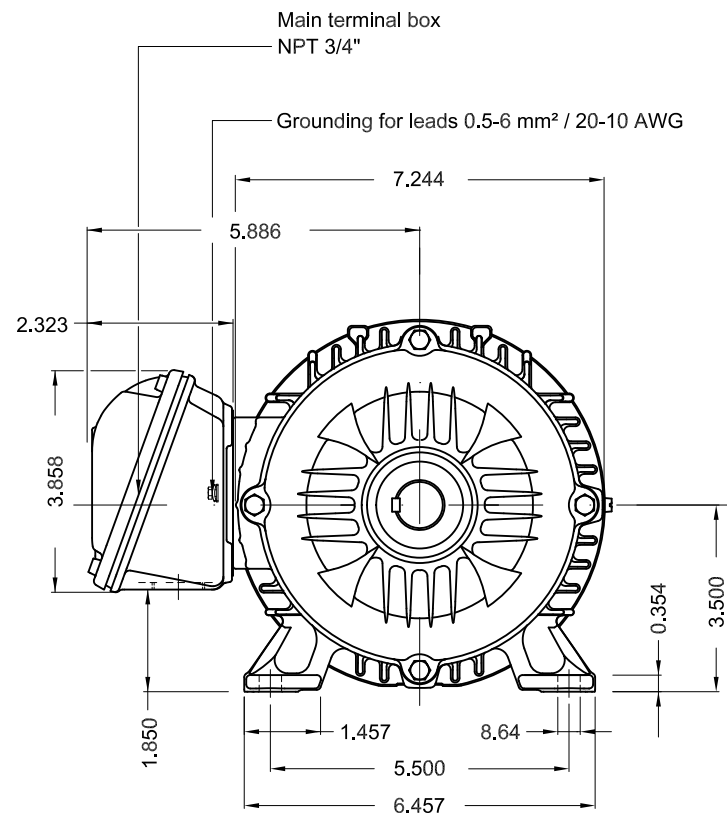


Performance : 415 V 50 Hz 2P IE2

Rated current : 1.63 A
 LRC : 7.7
 Rated torque : 1.81 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 270 %
 Rated speed : 2895 rpm

Moment of inertia (J) : 0.0332 sq.ft.lb
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
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Color RAL 5009
 Painting plan 207A
 Mounting NEMA F-1
 Mounting B3R(D)

1 HP 02 Poles 60 Hz

Dimensions in inches

ECM	LOC	SUMMARY OF MODIFICATIONS	EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	PIRWBUSER	THREE PH. MOTOR W22 PREM. EFF.					
CHECKED		FRAME 143/5T IP55 TEFC					
RELEASED							
REL DT.	WMO	Jaragua do Sul	Product Engineering	SHEET	1 / 1		

PREVIEW
 WDD




MADE IN BRAZIL
12378663



MODEL 00136ET3E143T-W22

Inverter Duty Motor
Severe Duty

 For use on 60Hz
Class I, Div 2, Gr A, B, C and D - T3
Class I, Zone 2, IIC - T3
Class II, Div 2, Gr F and G - T5
For use on PWM: Gr. A, B, C, D, F and G,
VT 1000:1, CT 20:1, 1.00SF - T4A



FOR SAFE AREA
Mod.TE1BFOXON

PH3 60Hz Fr. 143/5T 1000m.a.s.l. IP55 TEFC 39lb

V 208-230/460

A 3.16-2.94/1.47

HP 1.0

kW 0.75

SF 1.25

SFA 3.63-3.67/1.84

RPM 3500

PF 0.80

AMB 40°C

INS cl. F DT80K

NEMA NOM EFF 80.0%

DUTY CONT.

DES - Code L

USABLE @208V SF 1.15

1.0HP 0.75kW 50Hz 380V 1.71A 2865RPM SF 1.25 SFA 2.14 EFF 78.5% (IE2)

