DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IEEE 841 NEMA Premium Product code: 11431398 Efficiency Three-Phase Catalog #: 06012ST3QIE404T-W22 Frame : 404/5T Cooling method : IC411 - TEFC Insulation class Mounting : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) : -20°C to +40°C Ambient temperature Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight3 Altitude : 539 kg Protection degree : IP56 : 1.55 kgm² Moment of inertia (J) Design : B Output [HP] 60 50 50 50 60 60 60 Poles 6 6 6 6 6 6 6 60 50 50 50 50 50 50 Frequency [Hz] Rated voltage [V] 460 380 400 415 380 400 415 Rated current [A] 69.5 67.3 85.1 80.3 70.1 64.8 78.3 L. R. Amperes [A] 444 426 442 452 421 467 470 LRC [A] 6.5x(Code 6.0x(Code F) 6.6x(Code 7.2x(Code H)5.0x(Code E)5.5x(Code F) 6.0x(Code G) G) G) No load current [A] 23.0 23.0 24.0 25.0 23.0 24.0 25.0 Rated speed [RPM] 1185 985 985 985 975 980 985 2.50 2.00 Slip [%] 1.25 1.50 1.50 1.50 1.50 Rated torque [kgfm] 44.7 44.4 36.7 36.8 36.8 36.8 44.2 Locked rotor torque [%] 200 180 220 229 150 180 190 180 Breakdown torque [%] 229 220 240 260 200 220 Service factor 1.25 1.00 1.00 1.00 1.00 1.00 1.00 80 K 80 K 105 K 80 K Temperature rise 80 K 80 K 80 K Locked rotor time 36s (cold) 28s (cold) 28s (cold) 28s (cold) 28s (cold) 28s (cold) 28s (cold) 20s (hot) 16s (hot) 16s (hot) 16s (hot) 16s (hot) 16s (hot) 16s (hot) Noise level² 68.0 dB(A) 64.0 dB(A) 64.0 dB(A) 64.0 dB(A) 64.0 dB(A) 64.0 dB(A) 64.0 dB(A) 25% 50% 94.1 93.3 93.3 93.3 93.6 93.6 93.6 Efficiency (%) 75% 94.5 93.4 93.7 93.7 93.0 93.6 93.6 100% 94.5 93.3 93.4 93.4 92.4 93.0 93.0 25% 0.74 0.73 0.70 0.79 0.74 50% 0.67 0.77 Power Factor 75% 0.82 0.83 0.82 0.79 0.85 0.84 0.82 0.87 100% 0.86 0.86 0.85 0.85 0.87 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 6.3 7.8 7.7 7.7 9.0 8.2 8.2 P2 (0,5;1,0) 5.0 6.4 6.3 6.3 7.6 6.8 6.8 P3 (0,25;1,0) 5.9 4.5 5.8 5.8 7.0 6.3 6.3 P4 (0,9;0,5) 3.5 4.2 4.1 4.1 4.7 4.4 4.4 Losses (%) P5 (0,5;0,5) 2.9 2.8 2.3 2.8 3.3 3.0 3.0 P6 (0,5;0,25) 1.7 2.1 2.1 2.1 2.4 2.2 2.2 P7 1.1 1.4 1.4 1.4 1.6 1.5 1.5 (0,25;0,25)Drive end Non drive end Foundation loads Bearing type 6316 C3 6314 C3 : 688 kgf Max. traction Sealing Inpro/Seal Inpro/Seal Max. compression : 1227 kgf 17000 h Lubrication interval 16000 h Lubricant amount 34 a 27 g Lubricant type Mobil Polyrex EM Rev. Changes Summary Performed Checked Date Performed by Checked by Page Revision

1/37

05/02/2025

Date

DATA SHEET



Three Pha	se inductioi	n Motor - Squirrel	Cage			
Customer	:					
		n Motor - Squirrel	Cage			
must be eliminat (1) Looking the n (2) Measured at	ed. notor from the sha 1m and with tolera weight subject to rocess.	ance of +3dB(A).		e average values pply, subject to th		
Rev.		Changes Summary		Performed	Checked	Date
7.07.				. 5.15111104	2.1001.00	24.0
Performed by Checked by					Page	Revision

2/37

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



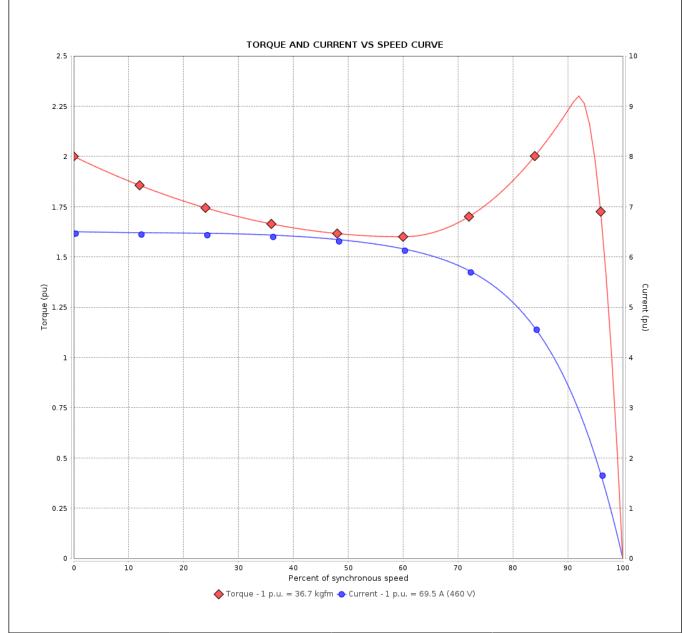
Customer

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance : 460 V 60 Hz 6P Rated current : 69.5 A Moment of inertia (J) : 1.55 kgm² **LRC** : 6.5 Duty cycle : Cont.(S1) : 36.7 kgfm Insulation class : F Rated torque : 200 % Service factor : 1.25 Locked rotor torque : 80 K Breakdown torque : 229 % Temperature rise Rated speed : B : 1185 rpm Design

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

LOCKED TOTOL TITLE	. 00	55 (661d) 265 (116t)			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			3 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :

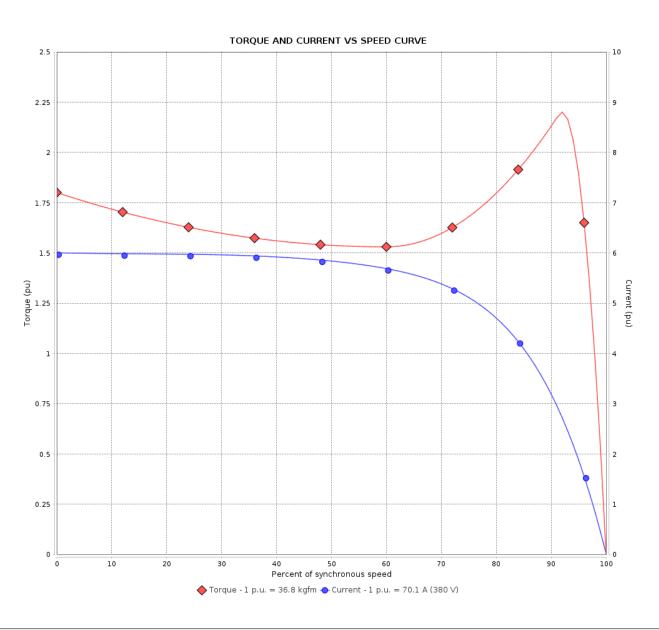
Product line

: W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 380 V 50 Hz 6P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 70.1 A : 6.0 : 36.8 kgfm : 180 % : 220 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K	
Rated speed	: 985 rpm	Design	: B	
Looked reter time	· 20a (aald) 16a (bat)			

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			4 / 37	

Three Phase Induction Motor - Squirrel Cage



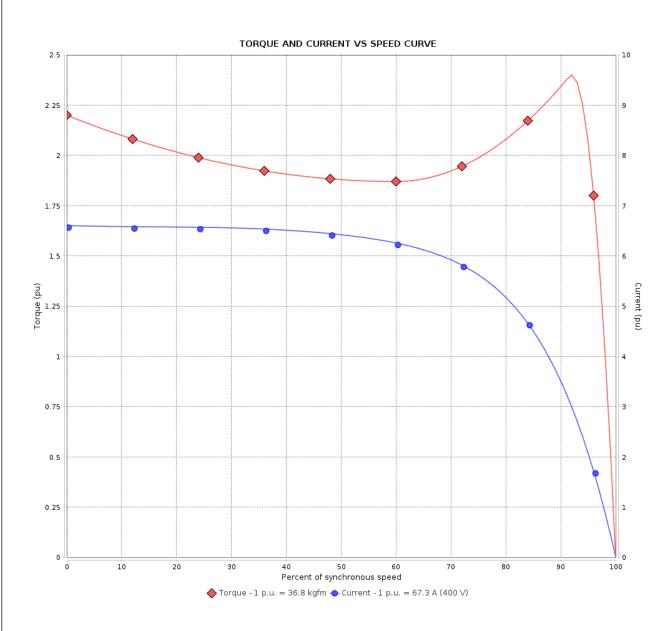
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 400 V 50 Hz 6P IE3		
Rated current	: 67.3 A	Moment of inertia (J)	: 1.55 kgm²
LRC	: 6.6	Duty cycle	: Cont.(S1)
Rated torque	: 36.8 kgfm	Insulation class	:F ´
Locked rotor torque	: 220 %	Service factor	: 1.00
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B
Locked rotor time	: 28s (cold) 16s (hot)		

		, , , ,			
Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			5 / 37	

Three Phase Induction Motor - Squirrel Cage



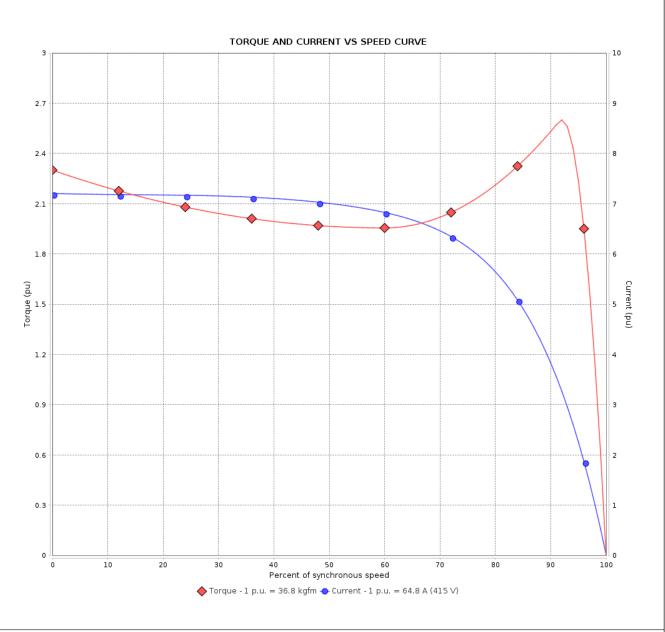
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance : 415 V 50 Hz 6P IE3 Rated current : 64.8 A Moment of inertia (J) : 1.55 kgm² **LRC** : 7.2 Duty cycle : Cont.(S1) : 36.8 kgfm Insulation class Rated torque : F : 229 % Service factor Locked rotor torque : 1.00 Breakdown torque : 260 % Temperature rise : 80 K Rated speed : B : 985 rpm Design

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			6 / 37	

Three Phase Induction Motor - Squirrel Cage



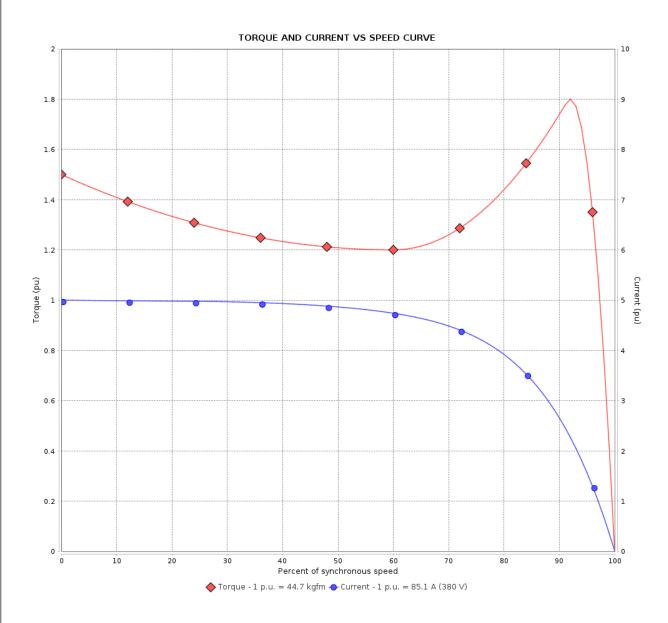
Customer

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance : 380 V 50 Hz 6P IE1 Rated current : 85.1 A Moment of inertia (J) : 1.55 kgm² LRC : 5.0 Duty cycle : Cont.(S1) : 44.7 kgfm Insulation class : F Rated torque : 150 % Service factor : 1.00 Locked rotor torque : 105 K Breakdown torque : 180 % Temperature rise Rated speed : B : 975 rpm Design

LOCKED TOTOL TITLE	. 20	55 (cold) 105 (flot)			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			7 / 37	

Three Phase Induction Motor - Squirrel Cage



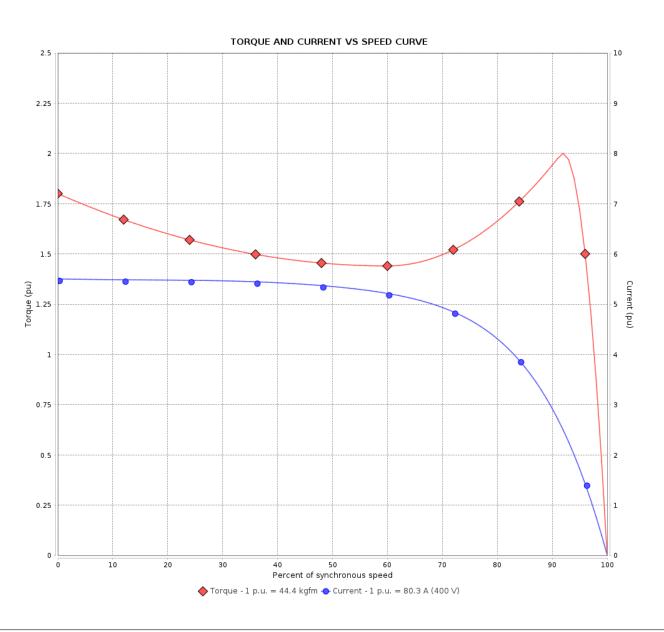
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance : 400 V 50 Hz 6P IE2 Rated current : 80.3 A Moment of inertia (J) : 1.55 kgm² **LRC** : 5.5 Duty cycle : Cont.(S1) : 44.4 kgfm Insulation class Rated torque : F : 180 % Service factor Locked rotor torque : 1.00 Breakdown torque : 200 % Temperature rise : 80 K Rated speed : B : 980 rpm Design

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			8 / 37	

Three Phase Induction Motor - Squirrel Cage



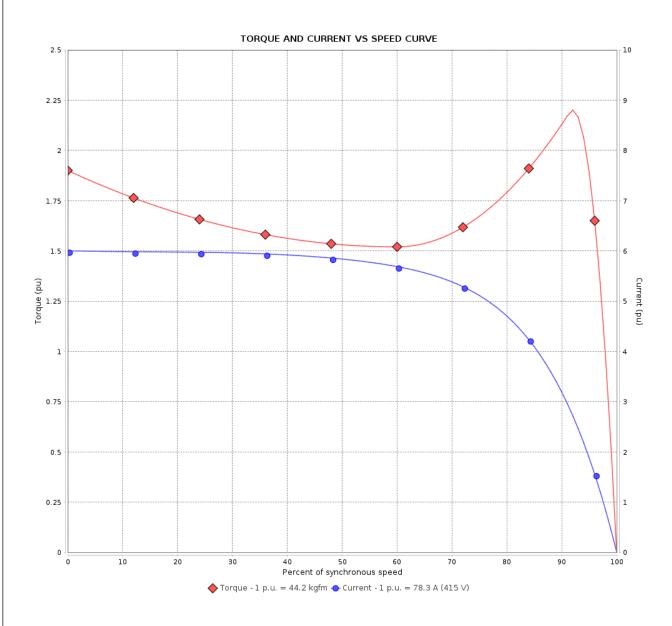
Customer

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 415 V 50 Hz 6P IE2		
Rated current	: 78.3 A	Moment of inertia (J)	: 1.55 kgm²
LRC	: 6.0	Duty cycle	: Cont.(S1)
Rated torque	: 44.2 kgfm	Insulation class	: F
Locked rotor torque	: 190 %	Service factor	: 1.00
Breakdown torque	: 220 %	Temperature rise	: 80 K
Rated speed	: 985 rpm	Design	: B
Locked rotor time	· 28s (cold) 16s (hot)		

LOCKCU TOLOT LITTLE	. 20	33 (COId) 103 (1101)			
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			9 / 37	

Three Phase Induction Motor - Squirrel Cage



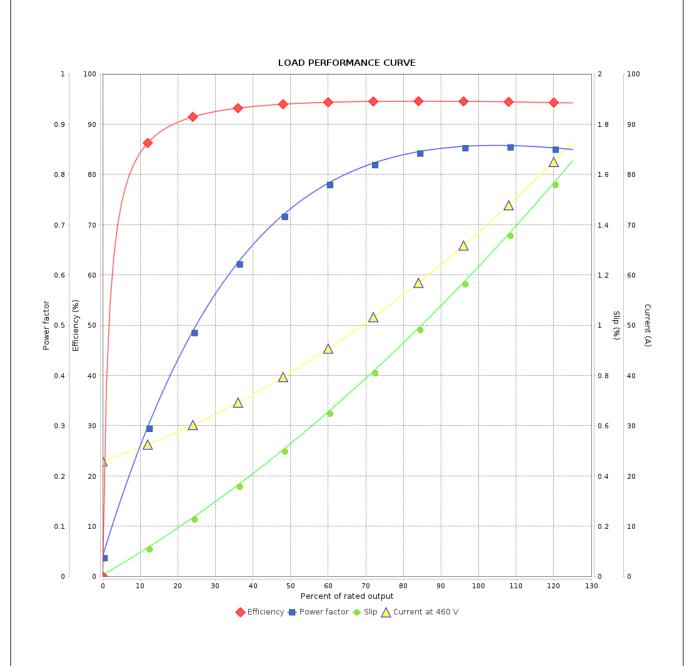
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 4	60 V 60 Hz 6P				
Rated current	: 6	9.5 A	Moment of	of inertia (J)	: 1.55 kgm²	
LRC	: 6	.5	Duty cycle	9	: Cont.(S1)	
Rated torque	: 3	6.7 kgfm	Insulation	class	: F	
Locked rotor torqu	ie : 2	00 %	Service fa	ictor	: 1.25	
Breakdown torque		29 %	Temperat	Temperature rise		
Rated speed	: 1	185 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
		1				
Performed by						
Checked by					Page	Revision
Date	05/02/2025				10 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

05/02/2025

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

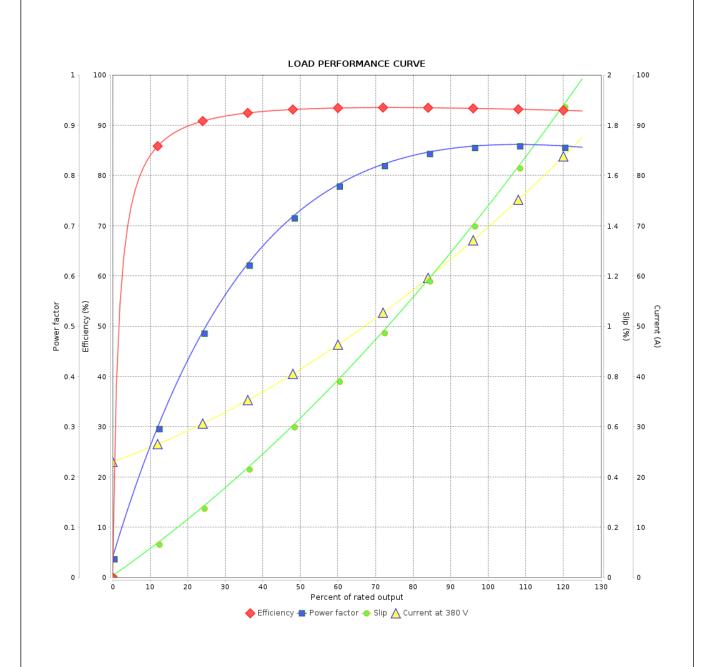
Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

Page

11 / 37

Revision



Performance	: 380 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed		Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary	'	Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage



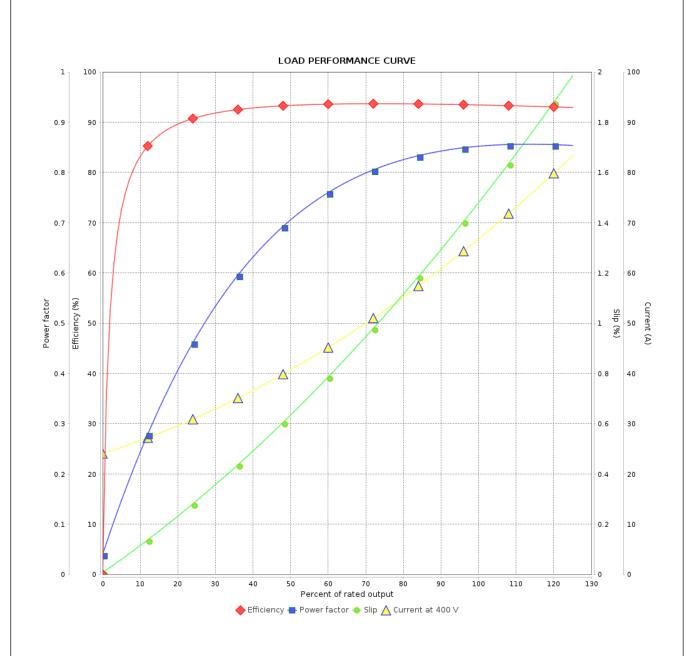
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 40	00 V 50 Hz 6P IE3				
Rated current	: 67	: 67.3 A Mon		of inertia (J)	: 1.55 kgm²	
LRC	: 6.	6	Duty cycle	е	: Cont.(S1)	
Rated torque	: 36	6.8 kgfm	Insulation	class	: F	
Locked rotor torq	ue : 22	20 %	Service fa	actor	: 1.00	
Breakdown torqu	e : 24	10 %	Temperature rise		: 80 K	
Rated speed	: 98	35 rpm	Design		: B	
Rev.		Changes Summary	ı	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	05/02/2025				12 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :

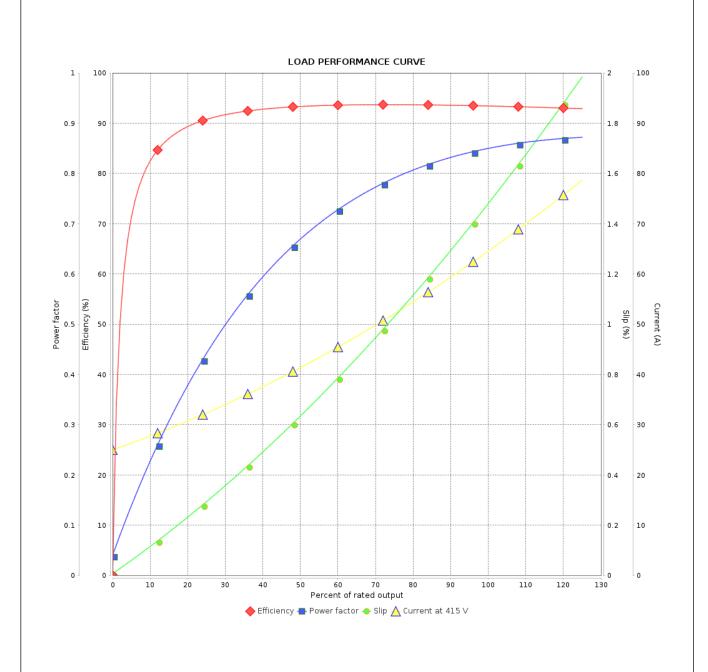
Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog # : 06012ST3QIE404T-W22

13 / 37



Performance	: 415 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 64.8 A : 7.2 : 36.8 kgfm : 229 % : 260 % : 985 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

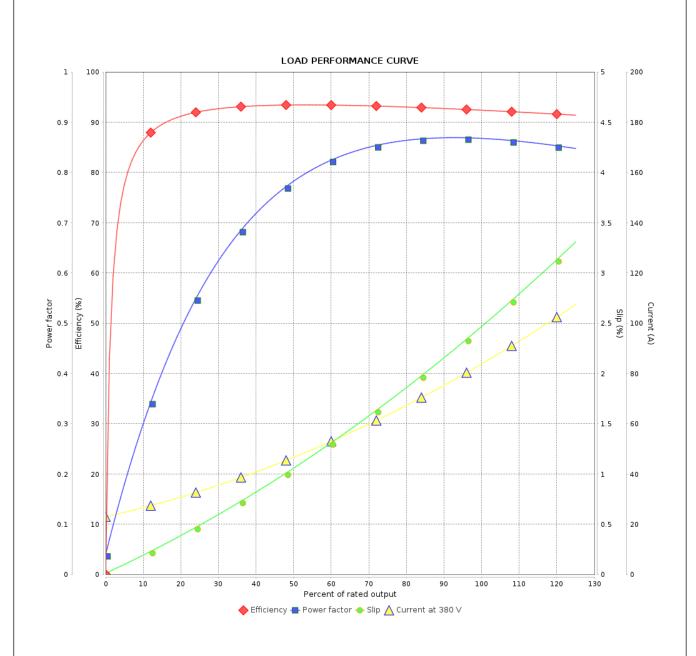
Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

14/37



Performance	: 380 V 50 Hz 6P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 85.1 A : 5.0 : 44.7 kgfm : 150 % : 180 % : 975 rpm	Moment of Duty cycle Insulation of Service fact Temperatur Design	class ctor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



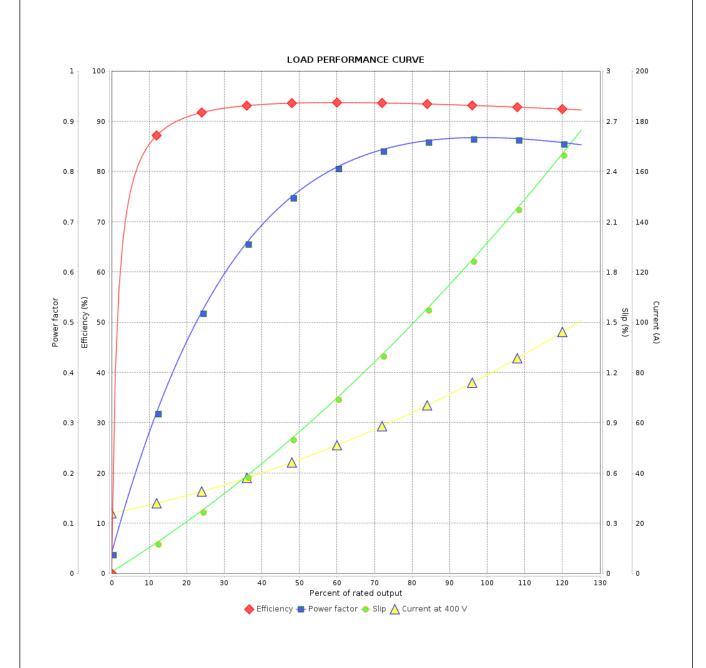
Customer

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 4	400 V 50 Hz 6P IE2				
Rated current	: 8	30.3 A	Moment o	f inertia (J)	: 1.55 kgm²	
LRC	: 5	5.5	Duty cycle	;	: Cont.(S1)	
Rated torque	: 4	14.4 kgfm	Insulation	class	: F	
Locked rotor torqu	e : '	180 %	Service fa	ctor	: 1.00	
Breakdown torque	: 2	200 %	Temperati	ıre rise	: 80 K	
Rated speed	: 9	980 rpm	Design		: B	
Rev.		Changes Summar	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	05/02/2025				15 / 37	

Three Phase Induction Motor - Squirrel Cage



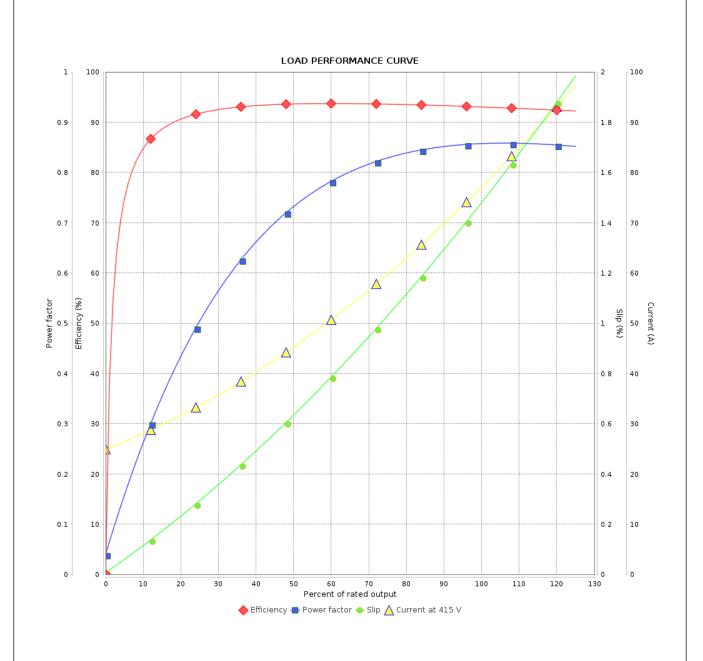
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 4	15 V 50 Hz 6P IE2				
Rated current	: 7	: 78.3 A		of inertia (J)	: 1.55 kgm²	
LRC	: 6	.0	Duty cycle	е	: Cont.(S1)	
Rated torque	: 4	4.2 kgfm	Insulation	class	: F	
Locked rotor tord	que : 1	90 %	0 % Service factor		: 1.00	
Breakdown torqu	ıe : 2	20 %	Temperat	ure rise	: 80 K	
Rated speed	: 9	85 rpm	Design		: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	05/02/2025				16 / 37	

Three Phase Induction Motor - Squirrel Cage

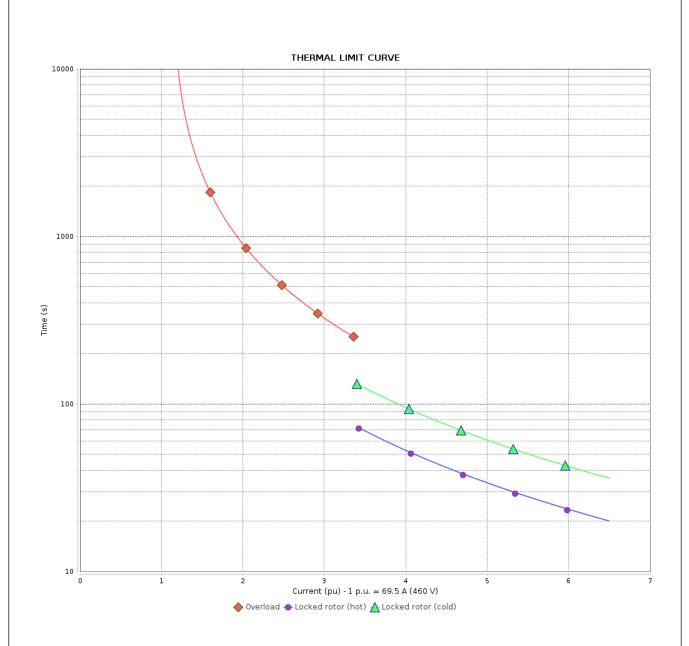


Customer	:					
Product line		W22 IEEE 841 NEMA Prem	nium	Product code :	11431398	
	E	Efficiency Three-Phase		Catalog # :	06012ST3QIE404T-W22	
Performance Rated current LRC		60 V 60 Hz 6P 9.5 A .5	Moment of	of inertia (J)	: 1.55 kgm² : Cont.(S1)	
Rated torque Locked rotor tord Breakdown torqu Rated speed	: 30 que : 20 ue : 21	6.7 kgfm 00 % 29 % 185 rpm	Insulation Service fa Temperati Design	class ictor	: F : 1.25 : 80 K : B	
Heating constan						
Rev.	-	Changes Summary		Performed	Checked	Date
Performed by						
Checked by Date	05/02/2025				Page 17 / 37	Revision

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			18 / 37	

Three Phase Induction Motor - Squirrel Cage

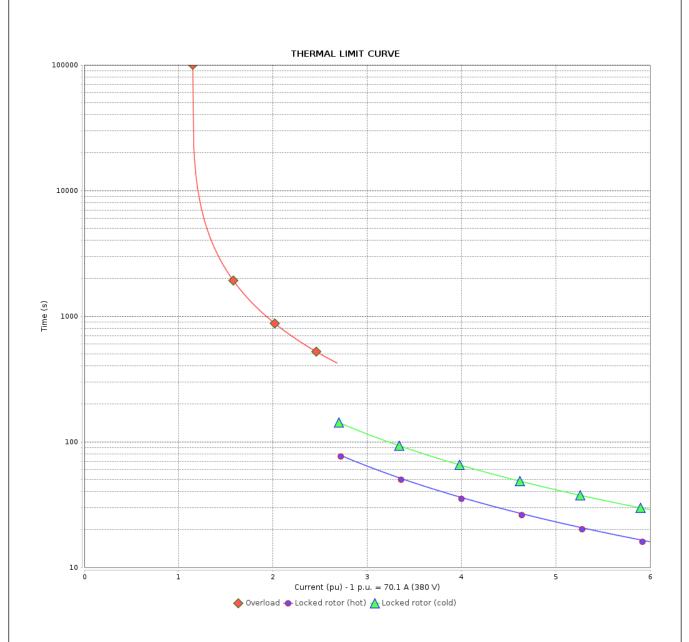


Customer	:					
Product line		W22 IEEE 841 NEMA Pren fficiency Three-Phase		Product code : Catalog # :	11431398 06012ST3Q	IE404T-W22
Performance	: 38	30 V 50 Hz 6P IE3				
Rated current LRC Rated torque Locked rotor tord Breakdown torque Rated speed	: 70 : 6. : 36 que : 18 ue : 22	D.1 A	Moment of Duty cycle Insulation Service fa Temperate Design	class actor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Heating constan Cooling constan Rev.		Changes Summary		Performed	Checked	Date
		g			2554	
Performed by						
Checked by		-			Page	Revision
Date	05/02/2025				19 / 37	-
	·			1 11		0.04

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			20 / 37	

Three Phase Induction Motor - Squirrel Cage

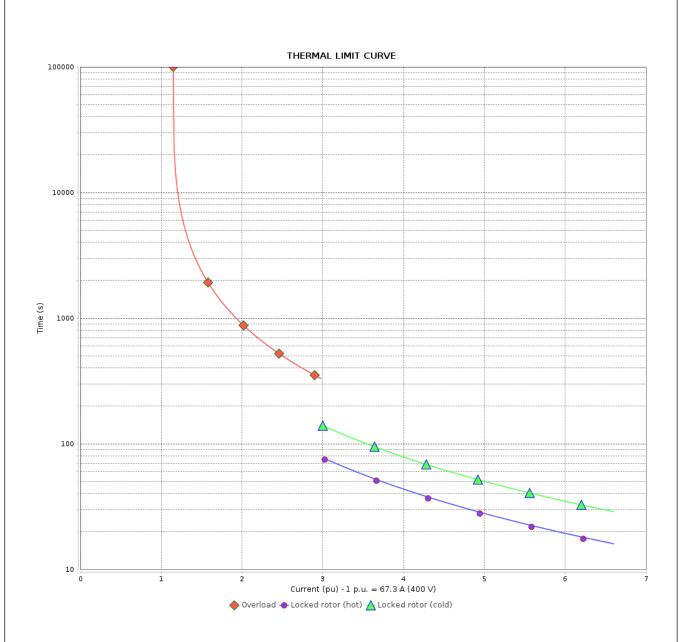


Customer	:					
Product line		W22 IEEE 841 NEMA Pro	emium	Product code :	11431398	
	I	Efficiency Three-Phase		Catalog # :	06012ST3QI	E404T-\\\/22
Performance Rated current RC Rated torque cocked rotor toro Breakdown torque Rated speed	: (: (que : : 2	400 V 50 Hz 6P IE3 67.3 A 6.6 36.8 kgfm 220 % 240 % 985 rpm	Duty cyc Insulatio Service	n class	: 1.55 kgm ² : Cont.(S1) : F : 1.00 : 80 K : B	
Rated speed Heating constan		oo ipiii	Design		. D	
Cooling constant	t					
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revisio
Date	05/02/2025				21 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			22 / 37	

Three Phase Induction Motor - Squirrel Cage

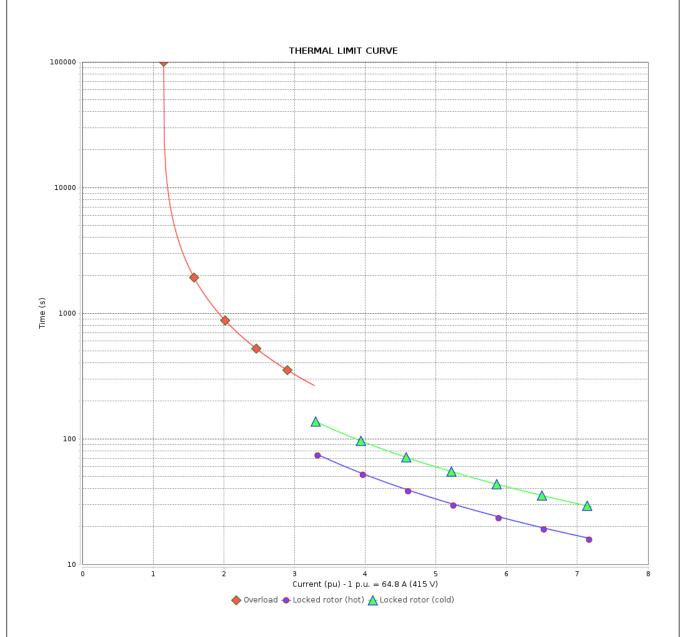


	:				
Product line		W22 IEEE 841 NEMA Premiu	ım Product code :	11431398	
	E	fficiency Three-Phase	Catalog # :	06012ST3C	(IE404T-W22
Performance Rated current .RC	: 6 : 7	.2 [Moment of inertia (J) Duty cycle	: 1.55 kgm² : Cont.(S1)	
Rated current RC Rated torque ocked rotor tor Breakdown torq Rated speed	: 6 : 7 : 3 que : 2 ue : 2 : 9	4.8 A2	Moment of inertia (J) Duty cycle nsulation class Service factor Temperature rise Design	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B	
Rated current RC Rated torque ocked rotor tor Breakdown torq Rated speed	: 6 : 7 : 3 que : 2 ue : 2 : 9	4.8 A2	Outy cycle nsulation class Service factor Femperature rise	: Cont.(S1) : F : 1.00 : 80 K	
Rated current RC Rated torque ocked rotor tor Freakdown torq Rated speed	: 6 : 7 : 3 que : 2 ue : 2 : 9	4.8 A2	Outy cycle nsulation class Service factor Femperature rise	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current RC Rated torque ocked rotor tor- creakdown torquated speed leating constant Cooling constant Rev.	: 6 : 7 : 3 que : 2 ue : 2 : 9	4.8 A	Outy cycle nsulation class Service factor Temperature rise Design	: Cont.(S1) : F : 1.00 : 80 K : B	Date
Rated current RC Rated torque ocked rotor tor breakdown torq Rated speed Heating constan Cooling constan	: 6 : 7 : 3 que : 2 ue : 2 : 9	4.8 A	Outy cycle nsulation class Service factor Temperature rise Design	: Cont.(S1) : F : 1.00 : 80 K : B	Date

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025	_		24 / 37	

Three Phase Induction Motor - Squirrel Cage

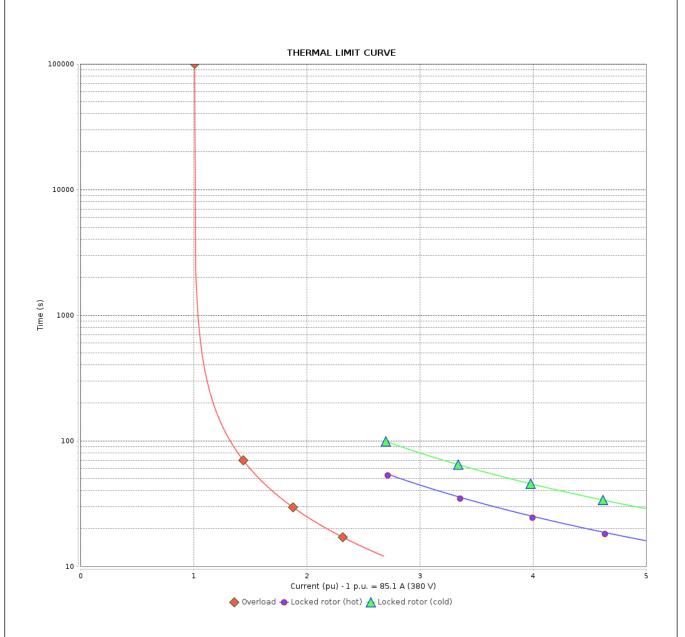


		•				
Customer	:					
Product line		W22 IEEE 841 NEMA Pre	mium	Product code :	11431398	
	•	indicticy Three-i hase		Catalog # :	06012ST3QII	E404T-W22
erformance		880 V 50 Hz 6P IE1				
Rated current .RC Rated torque .ocked rotor tord Breakdown tord	: 5 : 4 que : 1	35.1 A 5.0 14.7 kgfm 50 % 80 %	Moment of Duty cycle Insulation Service fa Temperat	class actor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 105 K	
Rated speed	: 9	775 rpm	Design		: B	
leating constan Cooling constan						
Rev.		Changes Summary	I	Performed	Checked	Date
Dorformad by						
Performed by Checked by					Page	Revisio
Date	05/02/2025	-			25 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			26 / 37	

Three Phase Induction Motor - Squirrel Cage

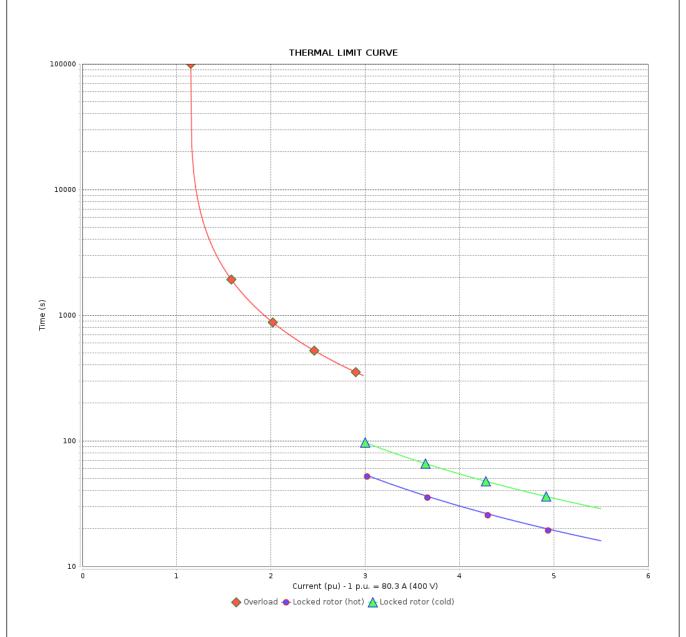


Customer	:					
Product line		: W22 IEEE 841 NEMA Pre Efficiency Three-Phase	emium	Product code :	11431398	
				Catalog # :	06012ST3QI	E404T-W22
Performance		: 400 V 50 Hz 6P IE2				
Rated current	:	: 80.3 A	Moment of	of inertia (J)	: 1.55 kgm²	
RC		: 5.5	Duty cycl	e	: Cont.(S1)	
Rated torque ₋ocked rotor torqu		: 44.4 kgfm : 180 %	Insulation Service fa		: F : 1.00	
Breakdown torque	:	200 %	Temperat		: 80 K	
Rated speed	:	: 980 rpm	Design		: B	
Heating constant						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by					Page	Revisio
Date	05/02/2025				27 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025	_		28 / 37	

Three Phase Induction Motor - Squirrel Cage

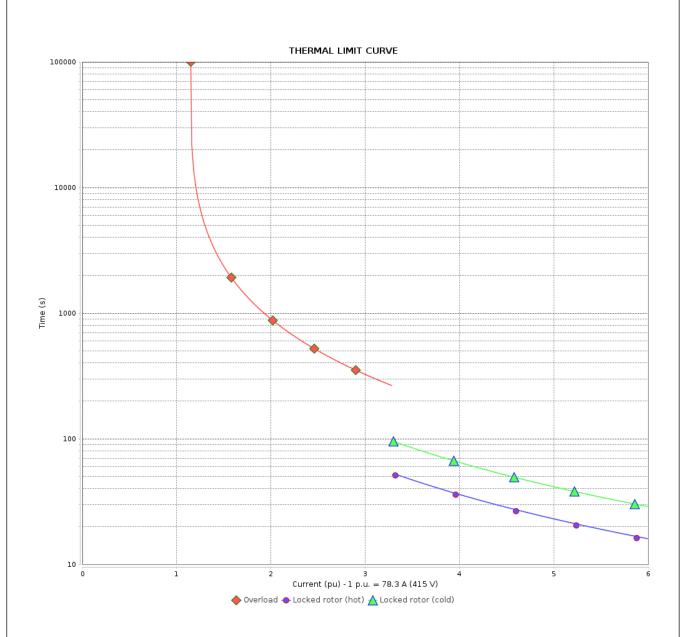


Product line	:	: W22 IEEE 841 NEMA Premium		Product code :	11431398	
	E	fficiency Three-Phase		Catalog # :	06012ST3QII	E404T-W22
Performance	: 4	15 V 50 Hz 6P IE2				
Rated current	: 7	8.3 A	Moment o	of inertia (J)	: 1.55 kgm²	
₋RC Rated torque	: 6 : 4	.0 4.2 kgfm	Duty cycle Insulation		: Cont.(S1) : F	
ocked rotor tord	μue : 1	90 %	Service fa	ector	: 1.00	
Breakdown torqu Rated speed		20 % 85 rpm	Temperati Design	ure rise	: 80 K : B	
leating constan						
Cooling constant						
Rev.		Changes Summary		Performed	Checked	Date
		I				
Performed by						
					_	_
Checked by	05/02/2025				Page 29 / 37	Revisio

Three Phase Induction Motor - Squirrel Cage



Customer



Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	05/02/2025			30 / 37	

Three Phase Induction Motor - Squirrel Cage



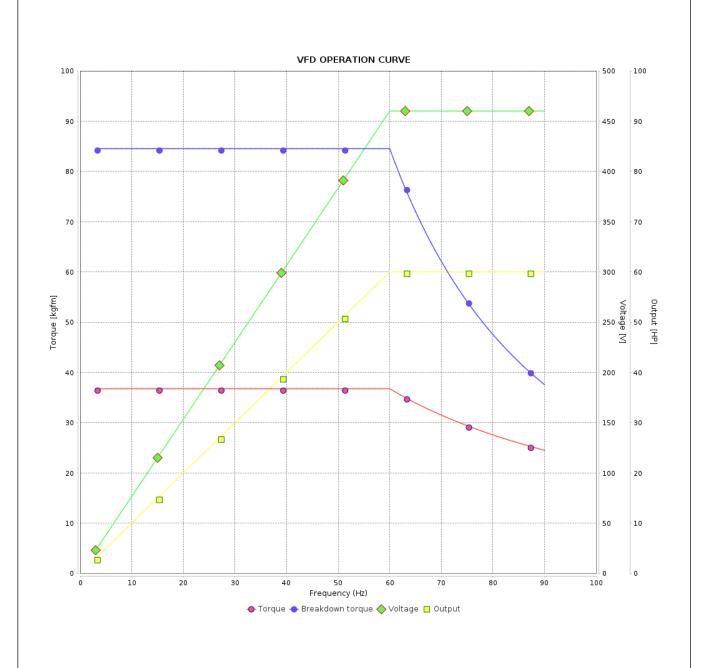
Customer

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 4	60 V 60 Hz 6P				
Rated current	: 6	9.5 A	.5 A Moment of inertia (J)		: 1.55 kgm²	
LRC	: 6	5.5	Duty cycle	;	: Cont.(S1)	
Rated torque	: 3	6.7 kgfm	Insulation	class	: F	•
Locked rotor tord	que : 2	.00 %	Service fa	ctor	: 1.25	
Breakdown torque		29 %	Temperati	Temperature rise		
Rated speed	: 1	185 rpm	Design		: B	
Rev.		Changes Summa	ry	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	05/02/2025	7			31 / 37	

Three Phase Induction Motor - Squirrel Cage



Customer :

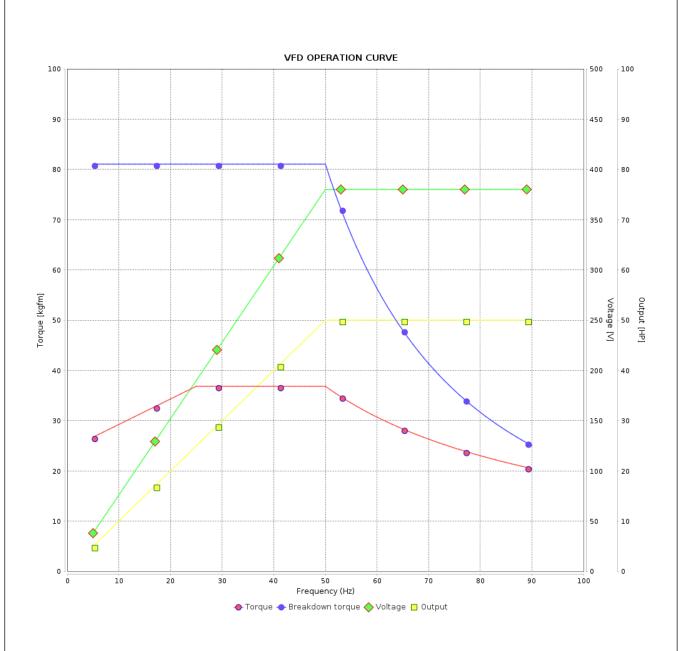
Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

32 / 37



Performance	:	380 V 50 Hz 6P IE3	3			
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	: que :	70.1 A 6.0 36.8 kgfm 180 % 220 % 985 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 1.55 kgm ² : Cont.(S1) : F : 1.00 : 80 K : B	
Rev.		Changes Summa	ary	Performed	Checked	Date
Performed by Checked by					Page	Revision

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



Revision

Page

33 / 37

Customer :

Checked by

Date

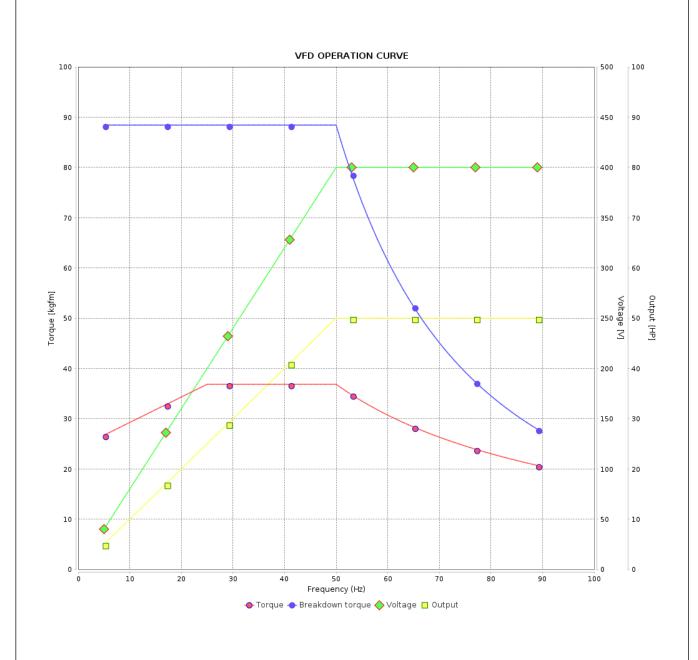
05/02/2025

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance : 400 V 50 Hz 6P IE3 Rated current : 67.3 A Moment of inertia (J) : 1.55 kgm² **LRC** : 6.6 Duty cycle : Cont.(S1) Insulation class : F Rated torque : 36.8 kgfm Locked rotor torque : 220 % Service factor : 1.00 Breakdown torque : 240 % Temperature rise : 80 K Rated speed : 985 rpm Design : B Rev. Performed Checked Date **Changes Summary** Performed by

Three Phase Induction Motor - Squirrel Cage



Customer :

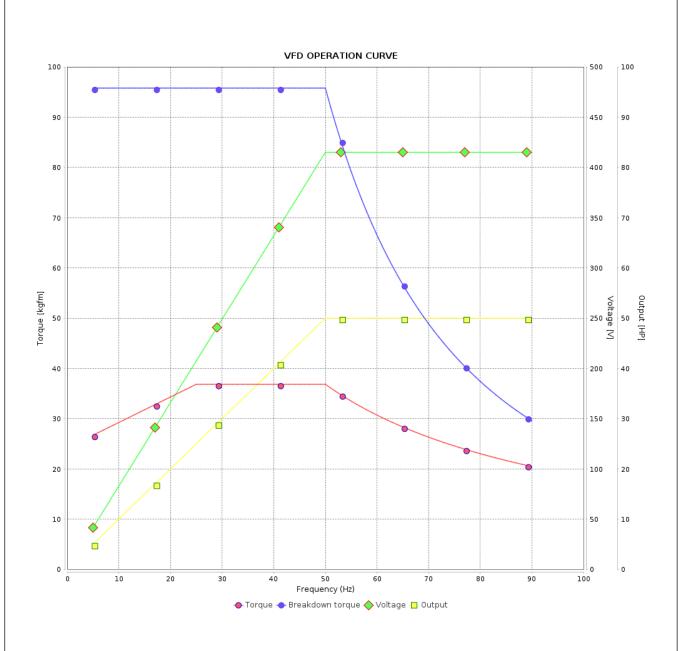
Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

34 / 37



Performance	: 415 V 50 Hz 6P IE3				
Performance	. 415 V 50 HZ 6P IE3				
Rated current	: 64.8 A	Moment of inertia (J)		: 1.55 kgm²	
LRC	: 7.2	Duty cycle		: Cont.(S1)	
Rated torque	: 36.8 kgfm	Insulation cla	ass	: F	
Locked rotor torque	: 229 %	Service factor	or	: 1.00	
Breakdown torque	: 260 %	Temperature rise		: 80 K	
Rated speed	: 985 rpm	Design		: B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by				Page	Revision

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



Customer :

Checked by

Date

05/02/2025

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

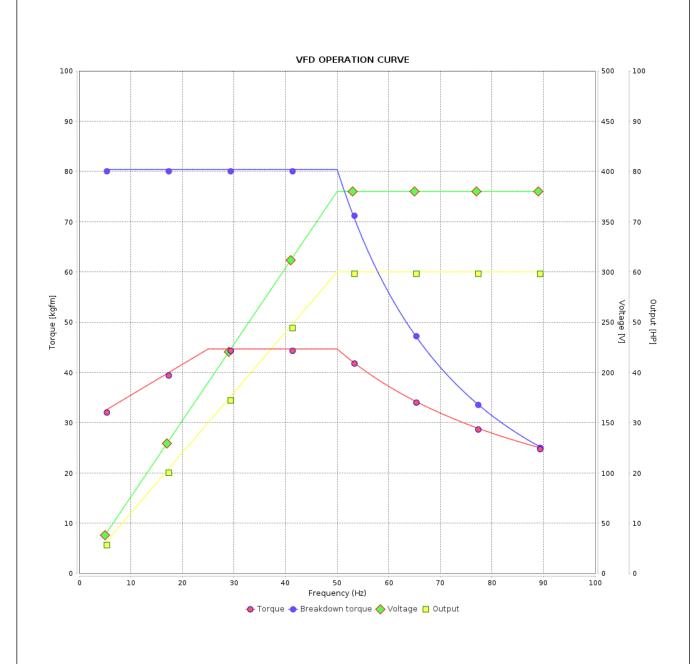
Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

Page

35 / 37

Revision



Performance	: 380 V 50 Hz 6P IE1				
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed		Moment of Duty cycle Insulation Service fa Temperat Design	class ictor	: 1.55 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
Rev.	Changes Summary		Performed	Checked	Date
Performed by					

Three Phase Induction Motor - Squirrel Cage



Customer :

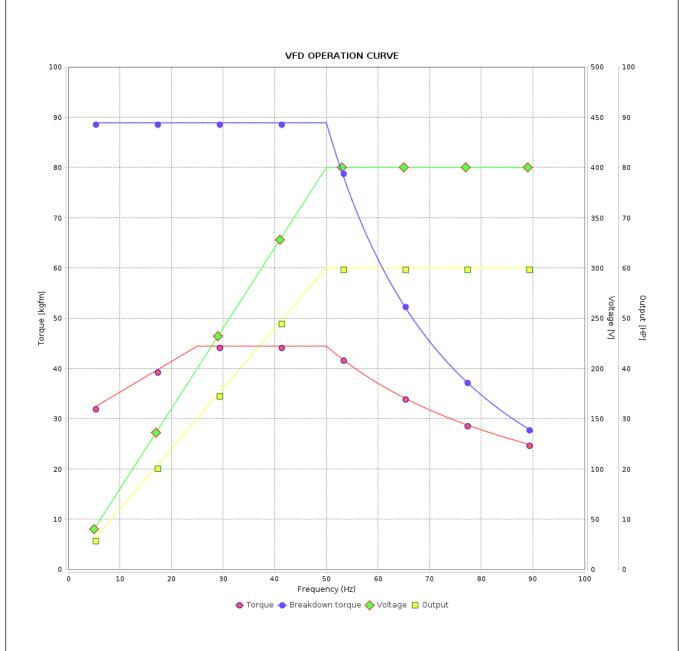
Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22

36 / 37



Performance	: 4	: 400 V 50 Hz 6P IE2							
Rated current LRC Rated torque Locked rotor tord Breakdown torqu Rated speed	ile : 1	80.3 A 5.5 44.4 kgfm 180 % 200 % 980 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 1.55 kgm² : Cont.(S1) : F : 1.00 : 80 K : B			
Rev.	Rev. Changes Summary		ary	Performed	Checked	Date			
Performed by Checked by					Page	Revision			

05/02/2025

Date

Three Phase Induction Motor - Squirrel Cage



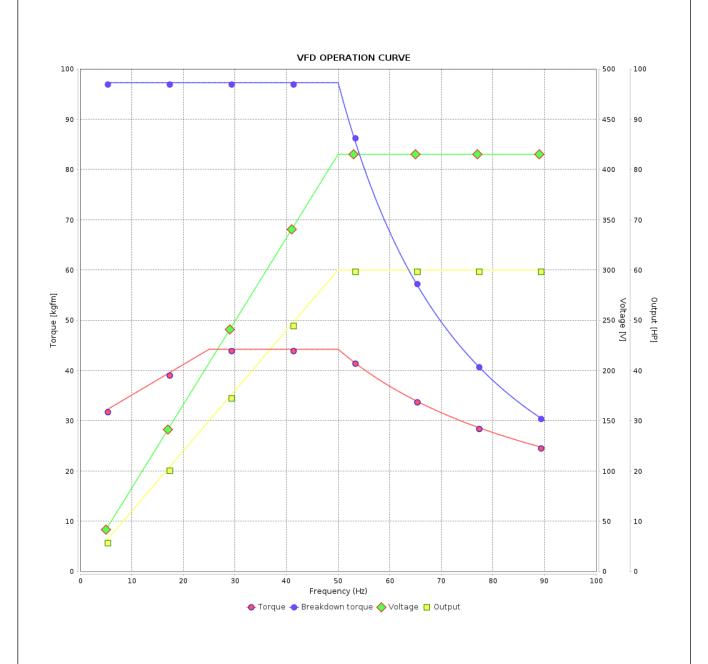
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431398

Catalog #: 06012ST3QIE404T-W22



Performance	: 4	: 415 V 50 Hz 6P IE2							
Rated current	: 7	8.3 A Moment of inertia (J)		: 1.55 kgm²					
LRC	: 6	5.0	Duty cycle		: Cont.(S1)				
Rated torque	: 4	4.2 kgfm	• •	Insulation class					
Locked rotor torqu		90 %	Service factor		: 1.00				
Breakdown torque		20 %	Temperature rise		: 80 K				
Rated speed	: 9	185 rpm	Design	Design					
Rev.	Changes Summary			Performed	Checked	Date			
Performed by									
Checked by					Page	Revision			
Date	05/02/2025	1			37 / 37				