

ABB BALDOR RELIANCE III

Customer information packet

UCME570

5-7.5 AIR OVERHP, 3450RPM, 3PH, 60HZ, 184TZ

Class - None

Division - Not Applicable

Specifications

Enclosure	TEAO
Frame	184TZ
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	7.500 HP @ 60 HZ 5.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 460.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	18.000 A @ 230.0 V 19.000 A @ 208.0 V 9.000 A @ 460.0 V
Drip Cover	No Drip Cover
Duty Rating	CONT
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	9.0 a

Part Detail

Revision	P
Type	AC
Mech. spec.	36Q213
Base	
Status	PRD/A
Elec. spec.	36WGY591
Layout	36LYQ213
Eff. date	01-02-2025
CD Diagram	CD0005
Poles	02
Leads	9#16 30" long Y
Proprietary	False
Created date	03-06-2014

Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Pipe Or Pipe Adaptor
Motor Lead Quantity/Wire Size	9 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	15.38 IN
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Tapped & Key
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1279L									
CAT.NO.	UCME570								
SPEC.	36Q213Y591G1								
HP	5-7.5 AIR OVER								
VOLTS	230/460								
AMP	18/9								
RPM	3450								
FRAME	184TZ		HZ	60		PH	3		
SER.F.	1.00		CODE	K	DES	-	CL	F	
NEMA-NOM-EFF			PF						
RATING	40C AMB-CONT								
CC									
DE	6206		ODE	6205					
ENCL	TEAO		SN						

NP3114L														
CAT.NO.	UCME570													
SPEC.	36Q213Y591G1													
HP	5-7.5 AIR OVER													
VOLTS	230/460													
AMP	18/9													
RPM	3450													
FRAME	184TZ	HZ	60		PH	3								
SER.F.	1.00	CODE	K	DES	-	CL	F							
NEMA-NOM-EFF	PF													
RATING	40C AMB-CONT													
CC				USABLE AT 208V					N/A					
DE	6206	ODE	6205											
ENCL	TEAO	SN												

Parts List

Part number	Description	Quantity
SA277609	SA 36Q213Y591G1	1.000 ea
RA264159	RA 36Q213Y591G1	1.000 ea
HA6021A01SP	ADAPTOR, MACH	1.000 ea
36GS5000	GASKET CONDUIT ADAPTOR	1.000 ea
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 ea
11XW0832G06	#8-32 X 3/8, TAPTITE II, HEX WSHR SLTD	1.000 ea
36EP3104A46	FREP TENV 36L/M 205 BRG NO GRSR, W/GND	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36PE3100B94	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4600H12	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 ea
10XN2520A20	1/4-20X 1 1/4 HEX HD X	2.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
HW4600B36SP	V-RING SLINGER 1.188 X 1.380 X .24 VITON	1.000 ea
HW2501E18	KEY, 1/4 SQ X 2.000	1.000 ea
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.010 qt
LD5000A642	LEAD ASSY, ML1400DF14 W/#10 RING 36"	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025C02	WILKOFAST SG, 787.105, TAN	0.022 ga
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
LC0145B01	CONNECTION LABEL	1.000 ea
NP1279L	ALUM FARM DUTY UL CSA CC	1.000 ea
NP3114L	ALUM FARM DUTY NO LOGO'S CC	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A08	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/25	1.000 ea
FE-0000001	ZRTG FE ASSEMBLY	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
36-3301FD	C FACE KIT FARM DUTY 182-4TC ENCL, 6206	P1
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 11424

Typical performance - not guaranteed values

Winding: 36WGY591-R001				Type: 3628M		Enclosure: TEAO	
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		5-7.5 AIR OVER		Full Load Torque		11.3 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		18/9		Breakdown Torque		48 LB-FT	
R.P.M.		3450		Pull-up Torque		36 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		38 LB-FT	
NEMA Design Code		- KVA Code		Starting Current		80 A	
Service Factor (S.F.)		1		No-load Current		3.3 A	
NEMA Nom. Eff.		0	Power Factor	0	Line-line Res. @ 25°C		1.79 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load			

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	58	79	87	90	92	93
Efficiency	76.5	84.7	86.4	86.1	85.6	84.2
Speed	3566	3535	3500	3471	3432	3389
Line amperes	4.1	5.5	7.4	8.9	10.9	13.2

ABB Motors and Mechanical Inc.

WINDING # 36WGY591

Typical performance - not guaranteed values.

7.5 HP 3 PH 60 HZ 3450 RPM 460 V 3628M

TORQUES (LB-FT): PO=48 PU=36 LR=38 LRA=80





