



Customer information packet

D5025P

287-8AT, 25HP, 1750RPM, 500, 150, DPFG, F1

Specifications

Armature Voltage	500 V
Base Speed	1750 rpm
Enclosure	DPFG
Field Voltage	150 V
	300 V
Frame	287AT
Output Power	25.000 HP
Agency Approvals	CSA
Ambient Temperature	40 °C
Armature Current	43.4 a
Drip Cover	No Drip Cover
Duty Rating	CONT
Feedback Device	NO FEEDBACK
Field Winding Type	STR. SHUNT
Heater Indicator	No Heater
Insulation Class	F
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	F1
Overall Length	31.00 IN
Service Factor	1.00
Shaft Diameter	1.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Slinger Indicator	No Slinger
Thermal Device - Bearing	None

Part detail

Revision	-
Type	DC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	K0073A B
Layout	1757
Eff. date	12-26-2019
CD Diagram	15209
Poles	00
Leads	
Proprietary	False
Created date	12-20-2019

Nameplate

NP1734										
CAT.NO.	D5025P			MODEL	T28S8002					
HP	25	RPM	1750/2300		FRAME	287-8AT				
ARM V	500		ARM A	43.40	WOUND	STR. SHUNT				
FLD V	150/300	FLD A	3.30-1.96/1.65-.98							
CONN			OHMS	121.5		CL	F			
ENCL	DPFG	DUTY	CONT		MX AMB	40				
P CODE	D	CTSR			SER.F.	1.0				
S/N				E/S	K0073A B					
	-									
O.D.E. BRG.	6209	D.E. BRG.	6210	BRUSH	28610-2				QTY	2

Accessories

Part number	Description	Multiplier
93EP5000A02	C-FACE CONVERSION KIT FOR STOCK MTR,FR 2	

CUSTOMER NAME

CUSTOMER P.O.

CERTIFIED BY

MODEL NO.

FRAME

H.P.

R.P.M.

TYPE

VOLTS

ENCL

MTG.

PHASE

FREQ.

REMARKS:

INSUL

AMB.

UNITS: INCH

SCALE: NONE

PROPORTION: NONE

PART NUMBER 1757

DWG. SIZE A

1/2-13UNC-2B THD X 1.00 DEEP
4-HOLES EQUALLY SPACED
ON A 7.250 DIA. B.C.

45°

3/8-16 UNC-2B THD'S
.88 DEEP IN SHAFT END

8.498
8.500 DIA.

FC

C

.75 ACCESSORY 'C' FACE

.40

.19

N

U

V

W

N-W

BA

B

2F (287)

2F (288)

BS

FN

25

AIR IN

AIR OUT

6)H HOLE DIA.

STANDARD COMM END
FOR SINGLE SHAFT EXTENSION

ACCESSORY 'C' FACE

.40

.19

1.1245
1.1250 DIA.

P

AB

AC

XL

AF

G

J

E

2E

A

O

D

HOLE FOR 'AA' CONDUIT

FOOT MOUNTING							D.E. SHAFT EXTENSION					DRIVE KEY		ACC SHAFT EXTENSION			ACC KEY		FRAME							
FRAME	BA	E	2F		G	H	J	N	N-W	U	V	W	KEY-SQ.	KEY-LONG	FN	FU	FV	KEY-SQ.	KEY-LONG	A	B	C	FC	D	O	P
			287	288																						
287-BAT	4.75	5.50	12.50	14.00	.69	.531	2.50	3.91	3.75	1.875	3.50 ³	.16	.500	2.50	3.44	1.625	3.19	.375	2.44	13.81	15.62	31.00	33.71	7.00 ²	13.88	13.75

FRAME	CONDUIT BOX							ARM APPROX. WK ² LBS.FT. ²	APPROXIMATE WEIGHT
	AA	AB	AC	AF	BS	XL	XN		
287-BAT	1 1/4	11.88	9.25	5.00	10.89	7.88	5.25	4.67	506 ⁵

- SHAFT DIAMETERS TO 1.500 TOLERANCE +.0000 -.0005
SHAFT DIAMETERS ABOVE 1.500 TOLERANCE +.0000 -.0010
SHAFT DIAMETERS TO 1.625 RUNOUT .002 T.I.R. MAX.
SHAFT DIAMETERS ABOVE 1.625 RUNOUT .003 T.I.R. MAX.
- 'D' DIMENSION TOLERANCE +.000 - .030
- 'V' DIMENSION IS MAX. HUB LENGTH ON SHAFT
- CONDUIT BOX CAN BE ROTATED IN 90° STEPS ON ITS OWN AXIS.
- TOTAL WEIGHT OF MOTOR.
- ALL DIMENSIONS NOT NOTED ARE NOMINAL DIMENSIONS CONSULT FACTORY FOR TOLERANCES.

FOR F1 OR F2 CONDUIT BOX
LOCATION SEE SALES ORDER

DESIGNER
RL
11-12-92

ENGINEER
RFL
11-12-92

ENGINEER
DAG
11-12-92

BALDOR

TITLE: DIMENSION SHEET
287-8AT,DPFG

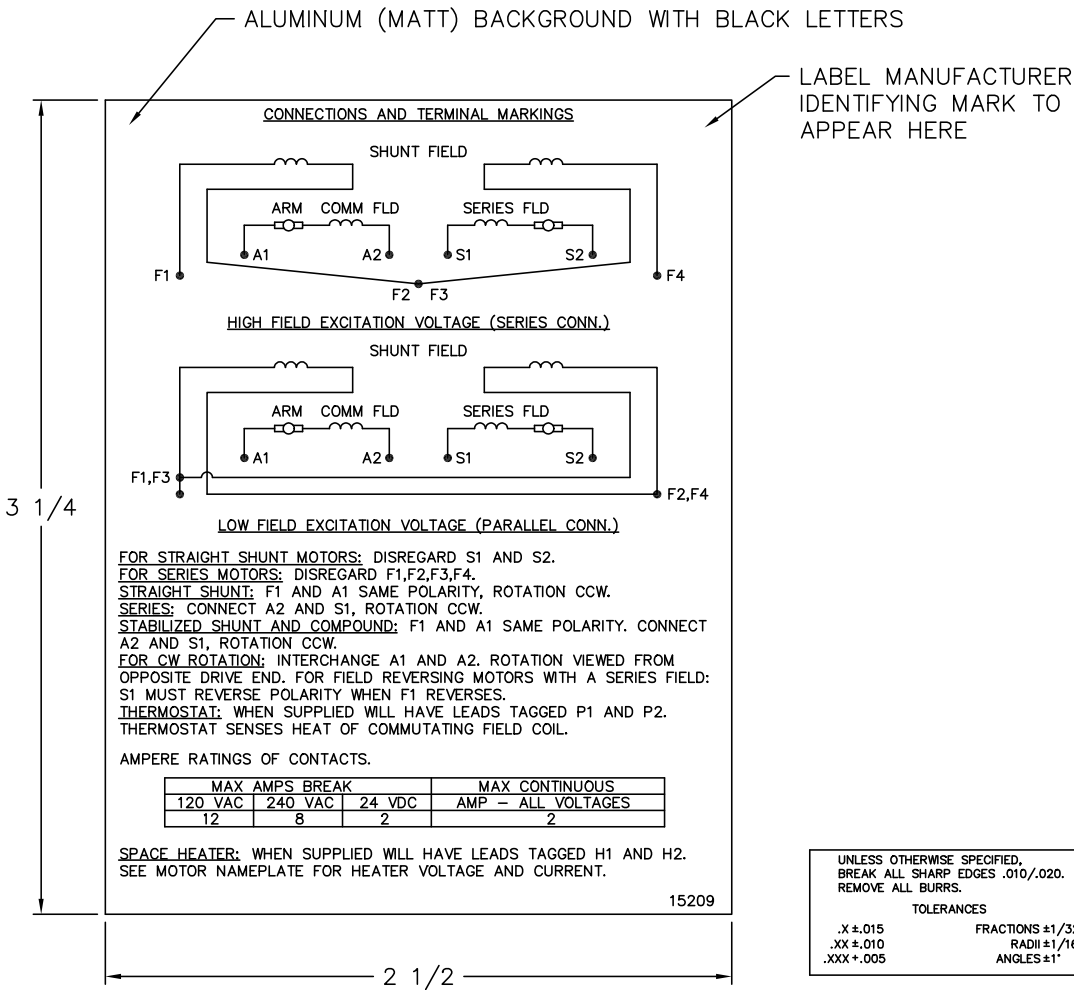
MANUF.
RWT
11-12-92

PART NUMBER
1757

DWG. SIZE
A

- 29996 NEW RELEASE		RL	11-12 1992
REV.	ECO.	DESCRIPTION	BY DATE

15209



NOTE:
MATERIAL .005 MINIMUM FULL HARD
ALUMINUM DULL FINISH.
TEMP. RANGE -20°C TO +125°C
MAXIMUM.
FOR INDOOR AND OUTDOOR MOUNTING
BACK.
METAL, PRESSURE SENSITIVE BACK.
MUST MEET CSA STANDARD.
THE CSA IDENTIFYING MARK OF THE
LABEL MANUFACTURER MUST APPEAR
IN THE UPPER RIGHT HAND CORNER AS
INDICATED.

15209

MATL: NOTED			
REV:	G	CHANGE ALL "NAMEPLATE" TEXT TO "LABEL"	
60Z91		SCALE: -	BY: BKW
		REVISED: 02/19/97	
		FILE: CHB00002485	TDR: 0115147

BALDOR ELECTRIC Co.

LABEL, CONNECTIONS AND TERMINAL MARKINGS DC