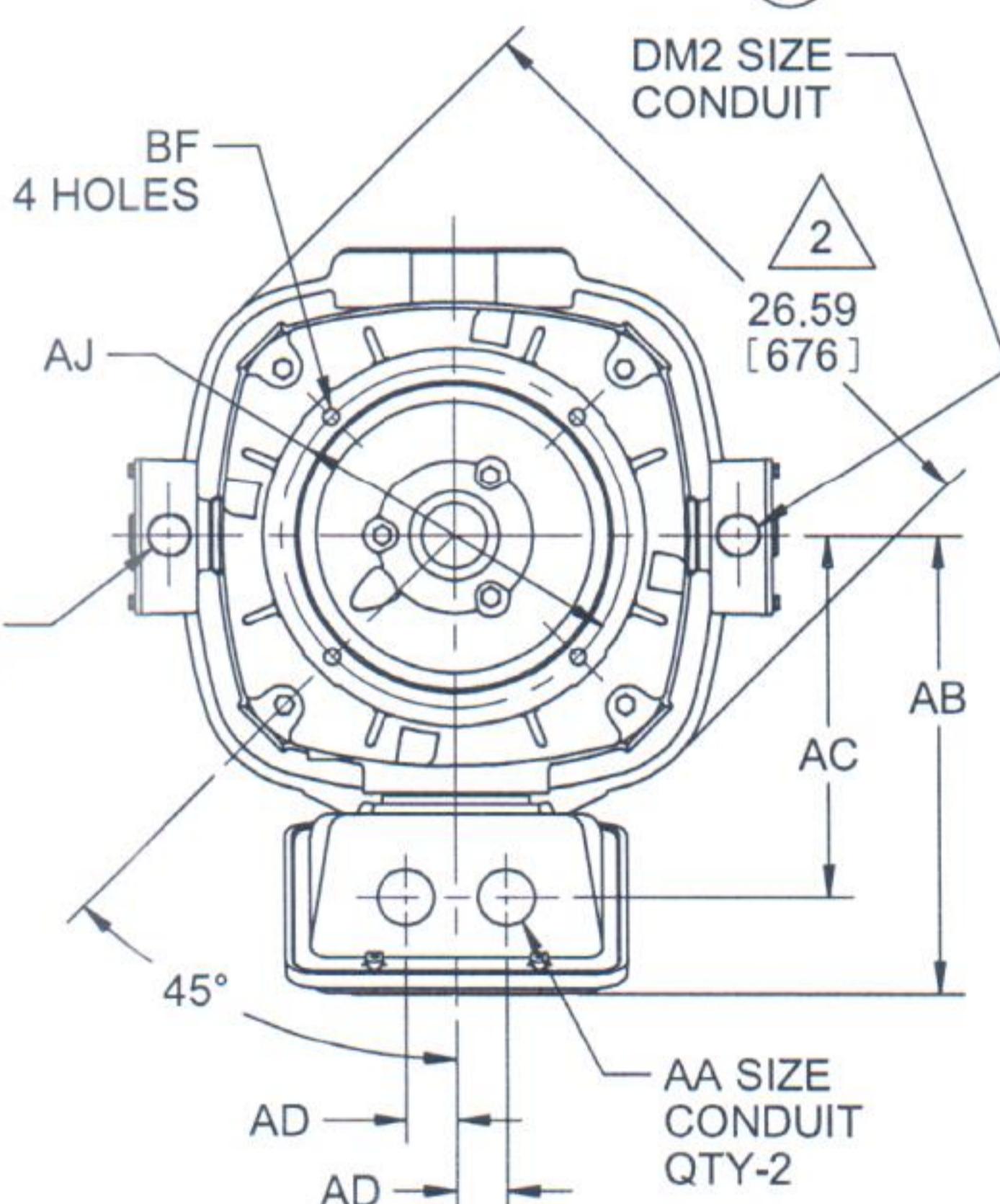
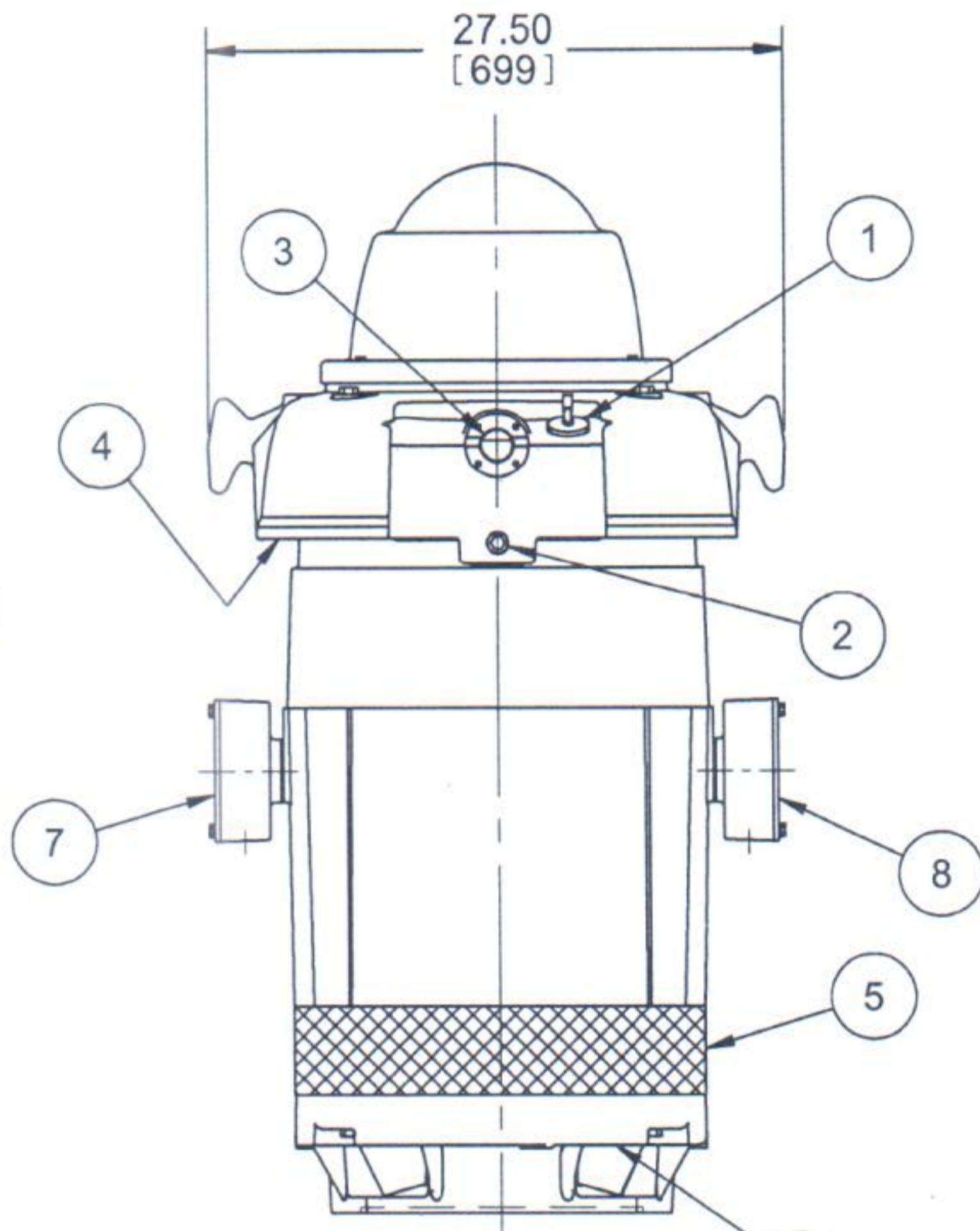
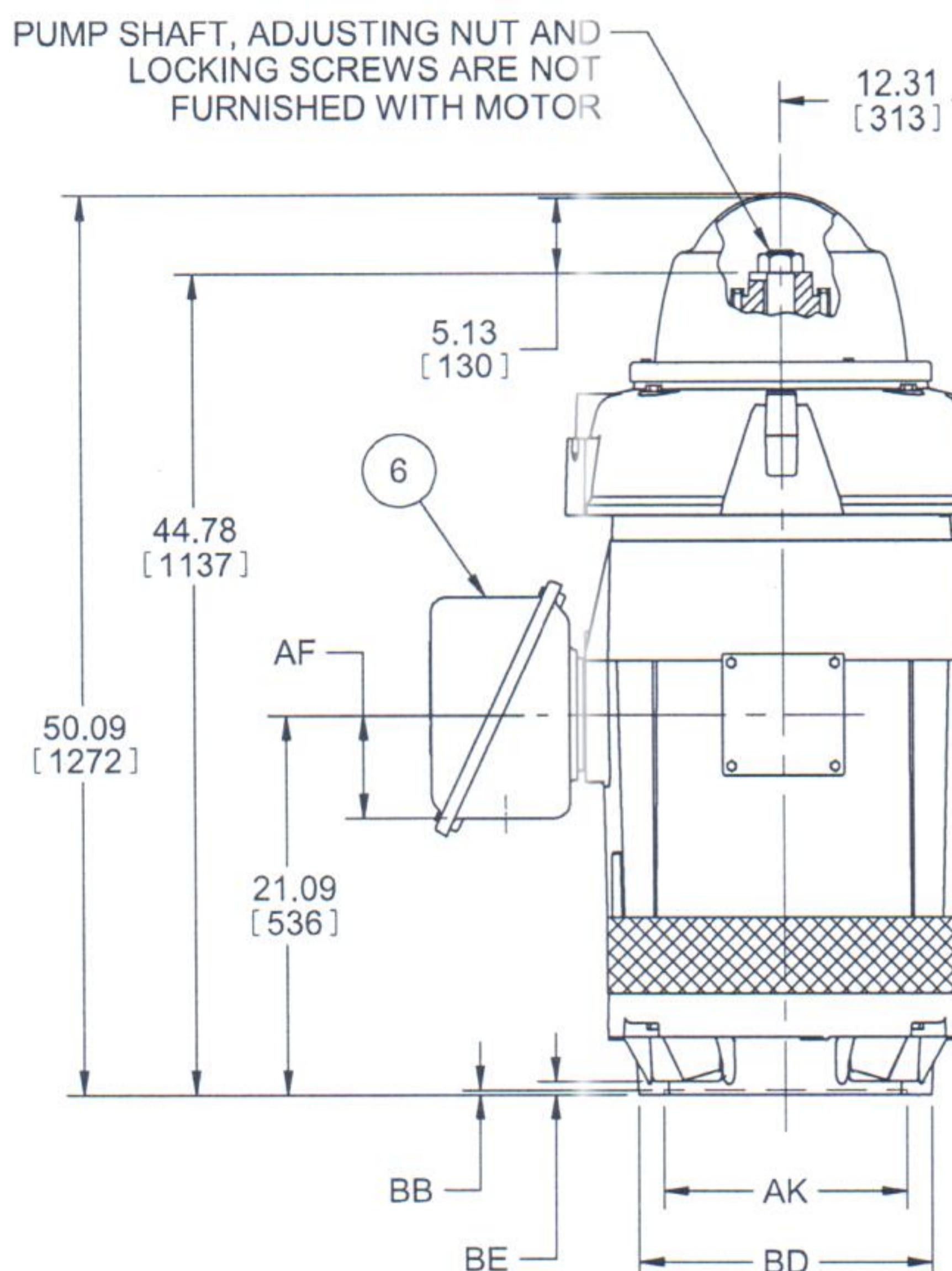


EFFECTIVE:
23-APR-21
SUPERSEDES:
NEW

DIMENSION PRINT
WEATHER PROTECTED TYPE I
FRAME: H444, H445TP, TPA
BASIC TYPE: RU

PRINT:
09-3403-08
SHEET:
1 OF 1



FRAME	UNITS	BD MAX
H444, H445TP	IN	16.50
	MM	419
H444, H445TPA	IN	20.00
	MM	508

DM1	DM2
3/4 NPT	3/4 NPT
1 NPT	1 NPT
1 1/4 NPT	1 1/4 NPT
1 1/2 NPT	1 1/2 NPT

UNITS	C/BOX VOLUME (CU. IN.)	AA	AB	AC	AD	AF
IN	860	M63 x 1.5-6H	19.53	15.38	2.13	5.75
MM			496	391	54	146

UNITS	AJ	AK +.005	BB MIN	BE	BF
IN	14.750	13.500	.25	.75	.688
MM	374.65	342.9	6	19	17.48

FEATURE LISTING

1	UPPER SUMP OIL FILL	6	MAIN CONDUIT BOX
2	UPPER SUMP OIL DRAIN	7	ACCESSORY CONDUIT BOX FOR HEATER LEADS.
3	UPPER SUMP SIGHT WINDOW		
4	AIR INTAKE	8	ACCESSORY CONDUIT BOX FOR WINDING ACCESSORY LEADS
5	AIR EXHAUST, 360° AROUND		

1. CONDUIT OPENINGS MAY BE LOCATED IN STEPS OF 90 DEGREES, STANDARD AS SHOWN WITH CONDUIT OPENINGS DOWN.

2 LARGEST MOTOR WIDTH.

ALL DIMENSIONS ARE IN INCHES AND MILLIMETERS (TOLERANCES ARE IN INCHES)

TOLERANCES	
FACE RUNOUT	.007 TIR
PERMISSIBLE ECCENTRICITY OF MOUNTING RABBET	.007 TIR
MAXIMUM SHAFT END PLAY	.010
NON-MACHINED DIMENSIONS	MAY VARY BY ±.25

09-3403/A

Nidec Motor Corporation
St. Louis, Missouri

INFORMATION DISCLOSED ON THIS DOCUMENT IS CONSIDERED PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED WITHOUT WRITTEN CONSENT OF NIDEC MOTOR CORPORATION



ISSUED BY
K. FRIEDMAN
APPROVED BY
C. BUCKLEY

NIDEC MOTOR CORPORATION

8050 WEST FLORISSANT AVE.
ST. LOUIS, MO 63136



DATE: 4/26/2021

P.O. NO.: 2021/7851
Order/Line NO.: 20210072 SO 100

TO: H M TAGRIN, LTD.
P.O. BOX 11593
4, HAMELACHA STR
AFEQ INDUSTRIAL PARK
ROSH Ha'Ayin, 48091
ATTN: CUSTOMER

Model Number: NA

REVISIONS:
(NONE)

Catalog Number:
VHS Weather Protected
CONF,MOTOR,VHS WPI

ALL DOCUMENTS HEREIN ARE CONSIDERED CERTIFIED BY NIDEC MOTOR CORPORATION.
THANK YOU FOR YOUR ORDER AND THE OPPORTUNITY TO SERVE YOU.

Features:

Horsepower 00125.00~00000.00 ~ KW: 93.25
Enclosure WPI
Poles 04~00 ~ RPM: 1500~0
Frame Size H444~TP
Phase/Frequency/Voltage.. 3~050~400
Winding Type Random Wound
Service Factor 1.15
Insulation Class Class "F" ~ VPI-2000 w/Abrasion Re
sist.
Altitude In Feet (Max) .. 3300 Ft.(1000 M) ~ +45 C
Efficiency Class Premium Efficiency
Application Centrifugal Pump
Inverter Duty NEMA MG1 Part 31
Customer Part Number
16.5" Base ~ Coupling Size: 1-1/2" Bore, 3/8" Key
Non-Reverse Ratchet ~ Steady Bushing Not Requested
Pricebook Thrust Value (lbs).. 9800
Customer Down Thrust (lbs) ... 9799
Customer Shutoff Thrust (lbs).
Up Thrust (lbs): ~
Inverter Duty Rating Details:
Load Type (Base Hz & Below) .. Variable Torque
Speed Range (Base Hz & Below). 5:1
VFD Service Factor 1.00
Temperature Rise (Sine Wave): "B" Rise @ 1.0 SF (Resist)
Starting Method Direct-On-Line Start
Duty Cycle Continuous Duty
Efficiency Value 96.1 % ~ Must be per IEC
Load Inertia: NEMA ~ Standard Inertia: 844.00 LB-FT2
Number Of Starts Per Hour: NEMA
Motor Type Code RUI
Rotor Inertia (LB-FT²) 35.4 LB-FT²
Qty. of Bearings PE (Shaft) 1
Qty. of Bearings SE (OPP) 2
Bearing Number PE (Shaft) 6215-J
Bearing Number SE (OPP) 7322 BCBM

Nidec trademarks followed by the ® symbol are registered with the U.S. Patent and Trademark Office.





NIDEC MOTOR CORPORATION

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THANK YOU FOR YOUR ORDER AND THE OPPORTUNITY TO SERVE YOU.

Accessories:

COS# 117-Mekoroth Water/Israel
20,000 Hours L-10 Bearing Life
Counter CW Rotation FODE
175 % Extra High Thrust
Ground Lug In Conduit Box
Inpro/Seal CDR/Grd Pad on Frm
Insul. Bearing - Upper Bracket
230 Volt Space Heaters
Special Balance
Multiple Thermal Protection
T'mistors (PTC)-Sie Series Con
T'mistors (PTC)-Sie Series Con
Both Sets of Prot. as Shutdown
Conduit Box Information: ~ One Size > USEM Std-Cast Iron
Conduit Opening Size (AA) .. M63 x 1.5
2 Conduit Openings ~ Bottom Of Conduit Box
Terminal Block In Conduit Box
Q-2 Accessory Outlet Boxes

Accessory C/B 1 Info:

Outlet Box Material Cast Iron Box
Location Of Accessory Box Same Side As Main O/B
3/4" NPT Conduit Opening
With 600v Terminal Blocks
~SPACE HEATER~~~

Accessory C/B 2 Info:

Outlet Box Material Cast Iron Box
Location Of Accessory Box Same Side As Main O/B
3/4" NPT Conduit Opening
With 600v Terminal Blocks
(2) T'MISTORS~~~~

Test Requirements:

SCT-Unwit, Convert Data To 50Hz

USE THE DATA PROVIDED BELOW TO SELECT THE APPROPRIATE DIMENSION PRINT

Horsepower	125
Pole(s)	04
Voltage(s)	400
Frame Size	H444TP
Outlet Box AF	5.75
Outlet Box AA	M63
Accessory Conduit Box 1 DM	0.75
Accessory Conduit Box 2 DM	0.75

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