

VIEW OF DISCHARGE

INLET & DISCHARGE FLANGES TO MATE FLUSH & SQUARE WITH FLAT FACE FLANGE ONLY. USE FULL FACE GASKETS.

V-BELT DRIVEN UNITS: MOTOR TO BE LOCATED ON INLET SIDE OF HORIZONTAL FLOW UNITS & ON DRIVE SHAFT SIDE OF VERTICAL FLOW UNITS.

AD - MAXIMUM SHEAVE WIDTH (SEE OVERHUNG LOAD LIMIT K-24102)

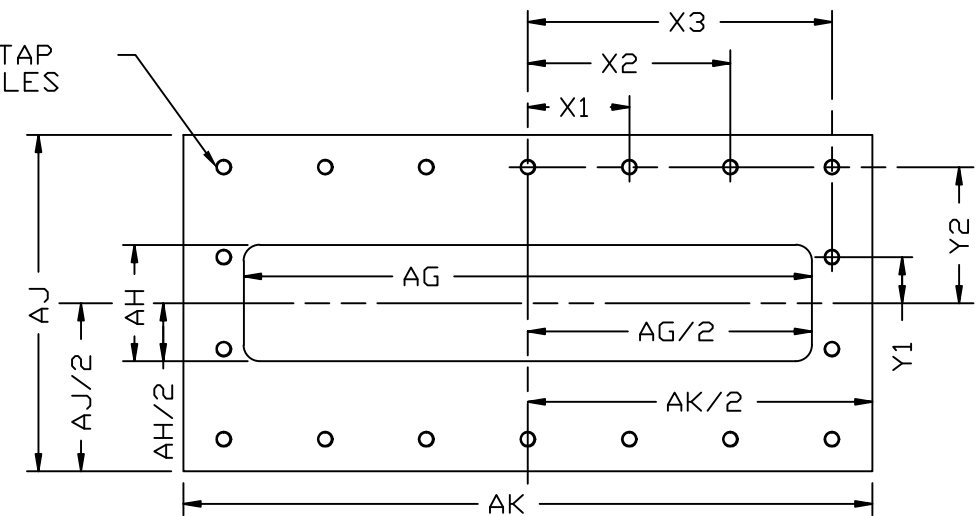
AE - MINIMUM SHEAVE DIAMETER (SEE OVERHUNG LOAD LIMIT K-24102)

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED  
METRIC DIMENSIONAL #90747021

		DRIVE LOCATION	
		LH	RH
DISCH. LOCATION	TOP	CW	CCW
	BOTTOM	CCW	CW

UNIT IS BUILT TO CUSTOMERS SPECIFIED ORIENTATION

"W" SIZE OF TAP  
"Z" No. OF HOLES



MODEL	C	M	N	U MM	V MM	KEYWAY MM	INLET AA	DISCH AA'	AB	AD	AE	AF	AG	AH	AJ	AK	APPROX WEIGHT
409	23.50	8.44	3.50	35.0	63.5	10.0X5.0	5.75	5.75	7.63	3.06	7.10	15.25	6.50	4.00	8.00	9.02	300 LBS
413	27.50	10.44	"	"	"	"	"	"	"	"	"	"	10.50	"	"	13.02	360 LBS
416	30.75	12.06	"	"	"	"	"	"	"	"	"	"	13.75	"	"	16.27	420 LBS
617	33.56	13.08	4.33	50.0	76.2	14.0X5.5	7.25	7.25	10.00	4.44	8.50	20.00	13.75	5.50	10.50	17.36	730 LBS
621	37.73	15.17	"	"	"	"	"	"	"	"	"	"	17.75	"	"	21.53	850 LBS

MODEL	X1	X2	X3	Y1	Y2	W	Z
409	3.25		3.88	1.25	3.25	M12x1.75	10
413	2.63	5.25	5.88	1.25	3.25	M12x1.75	14
416	3.50	6.88	7.50	1.25	3.25	M12x1.75	14
617	3.75		7.50	1.44	4.25	M12x1.75	14
621	3.17	6.33	9.50	1.44	4.25	M12x1.75	18

CERTIFIED CORRECT FOR  
CUSTOMER ORDER No. \_\_\_\_\_  
ROOTS ORDER No. \_\_\_\_\_  
DATE \_\_\_\_\_

V-BELT DRIVE DATA			
MPM	16849V	MNM	BELTS
DAB	8202V		DRIVE SHEAVE
RDR	8001V		DRIVEN SHEAVE
BY	CHANGE NOTICE	CHKD.	APP.
			CENTER DISTANCE

**TRI-RAM™**  
TRI-LOBE BLOWERS 409, 413, 416, 617, & 621

Connersville, IN USA  
P: 765-827-9200  
F: 765-827-9266

**Howden**

RDR	CHKD	APP	90724021	REV. C
DR				