



GOLDEN WAY TECHNOLOGY SDN BHD

VARIABLE PITCH PULLEY

SIZE	BUSH NO	MAX BORE	PITCH DIAMETER		NOMINAL KW		FOR MOTOR KW PROPOSED BY GW
			MEDIUM	MIN - MAX	MEDIUM	MIN - MAX	
RST 100Z1	1108	25	87	78-96	1.30	1.0-1.6	< 1.1
RST 120A1	1210	30	101	88-114	1.85	1.2-2.5	1.1 - 1.8
RST 120A2	1215	30	101	88-114	3.85	2.5-5.2	1.8 - 3.0
RST 139A1	1610	40	121	109-133	2.75	2.0-3.5	1.5 - 2.5
RST 139A2	1615	40	121	109-133	5.85	4.7-7.0	3.0 - 4.5
RST 156A1	1610	40	138	126-150	3.65	3.0-4.3	2.0 - 3.0
RST 156A2	1615	40	138	126-150	7.45	6.3-8.6	4.0 - 5.5
RST 177A1	2012	50	160	149-171	5.50	4.0-7.0	3.0 - 4.5
RST 177A2	2012	50	160	149-171	9.50	8.5-10.5	5.5 - 7.5
RST 200A1	2012	50	180	167-193	8.00	6.0-10.0	4.0 - 7.0
RST 256B1	2517	60	236	223-249	15.90	14.6-17.2	9.0 - 12.0
RST 300B1	2517	60	280	267-293	18.80	17.6-20.0	12.0 - 15.0
RST 246B2	2517	60	226	213-239	20.65	18.9-22.4	12.5 - 18.0
RST 355B2	3020	75	315	302-328	35.05	30.1-40.0	20.0 - 30.0

HOW TO SELECT VARIABLE PITCH PULLEY AS FAN PULLEY (ADJUSTABLE SIDE)

Example

- * MOTOR 7.5 HP = 5.5 KW * MOTOR RPM = 1450 (4 POLE MOTOR)
- * FAN RPM REQUIRED = 1250 RPM

FROM THE ABOVE TABLE , SELECT MODEL RST 156A2 AS FAN PULLEY ,

THUS , THE DIAMETER OF MOTOR PULLEY WILL BE :

$$= (1250 / 1450) * 138$$

$$= 118 \quad (2 \text{ SPA } 118)$$

CONCLUSION

MOTOR PULLEY : 2 SPA 118
 FAN PULLEY : RST 156A2

MAXIMUM FAN RPM = (118 / 126) * 1450 = 1359 RPM

MINIMUM FAN RPM = (118 / 150) * 1450 = 1141 RPM