



24		Sleeve locknut	M50	SKF H 210	Steel, Galvanized	
23	2	Sleeve lock washer	ID50, OD70	SKF H 210	Steel, Galvanized	
22	2	V-belt	L1000	SPZ-type	Rubber	
21	4	M8 hex bolt	M8 x 40	ANSI B18.2.3.2M	Steel, Mild	Fixes motor to frame
20	2	Pulley	ID45, OD100	SPZ 100X2	Aluminium 6061	
19	1	Hex nut	1 3/4-5 UNC	ANSI B18.2.2	Steel, Mild	Locks pulley to shaft
18	1	3-phase motor	ID45, OD100, x36	SMEM 6SH 100LB-4	*Varies*	
17	4	M12 hex nut	M12	ANSI B18.2.4.5M	Steel, Mild	Fixes bearing housing to frame
16	4	M12 hex bolt	M12 x 70	ANSI B18.2.3.2M	Steel, Mild	Fixes bearing housing to frame
15	1	Assembly fixing frame	700 x 1000 x 400	Custom	Steel, Paint Finish, Dark Gray, Matte	
14	2	Bearing locating spacer	ID70, OD90, x5	SKF GS series	Steel, Galvanized	
13	6	M5 hex bolt	M5 x 50	ANSI B18.2.3.2M	Steel, Mild	Fixes fan to bushing
12	1	Industrial fan	D76	Horton G Clark FD033003	Plastic, Opaque Black	
11	1	Hex nut	2-8 UN	ANSI B18.2.2	Steel, Mild	Locks fan bushing to shaft
10	2	Tapered adapter sleeve	ID48, OD51, x36	SKF H 210	Steel, Carbon	
9	4	Rubber seal	ID48, OD70.5, x11	SKF TXL 510	Rubber	
8	2	Bearing housing	90 x 200 x 110	SKF SNL 510-608	Iron, Cast	Split plummer block housings – SNL 2, 3, 5 and 6 series
7	1	Locating roller bearing	ID50, OD90, x10	SKF NUP 210 ECP	Steel	
6	1	Non-locating roller bearing	ID50, OD90, x10	SKF NU 210 ECP	Steel	
5	1	Tapered bushing	ID49, OD100	SKF Q1 Series	Iron, Ductile	
4	1	Feather key	14 x 9 x 28	DIN 6885	Steel, Carbon	Torque transmission - pulley to shaft
3	1	Shaft	D48 x 765	Custom	Steel, C45E	
2	1	Feather key	14 x 9 x 40	DIN 6885	Steel, Carbon	Torque transmission - shaft to bushing
1	1	Retaining ring	ID1 13/16", OD 0.280", x0.062"	Acron Ring 1400-181	Copper, Alloy	
ITEM	QTY	PART	SIZE	STANDARD	MATERIAL	COMMENTS
Name: Oluwalemi Adewole Oyeyele		Product: Industrial fan belt drive assembly		Scale: 1:2		BME Department of Machine & Product Design
Date: 03/04/2025		Components: Fan assembly, frame				
Checked by: Dr. Ernő Zsolt Baka		Material: Steel		Mass: -		 1/1 File name: Section drawing belt drive.dwg