

2.2. Technical Data

<u>Designation</u>	<u>Symbol</u>	<u>Unit</u>	<u>Value</u>
Basket Inside Dia.	D ₁	mm	1250
Basket Rim Dia.	D ₃	mm	940
Basket Inside Depth	H	mm	630
Basket Shell Thickness	S	mm	20
Nominal Basket Volume	V	l	323.6
Basket Filter Area	F	m ²	2.46
Admissible Speed	n	rpm	1150
Centrifugal Force (max)	G	xg	920
Moment of Mass Inertia	$J = m \times r^2$		
with empty basket	J	kg-m ²	460
with loaded basket (spec. gr. = 1.62 kg/dm ³)	J	kg-m ²	671
Total Machine Weight	G	kg	5400

2.3. Process Data

T. Resin in Perchloroethylene and Toluene

Density (kg/liter)	- Solids	1.37
	- Suspension	1.55
	- Mother Liquor	1.62

Percent Solids in Feed (%) 25

Feed Temperature 0° C

Residual Moisture 8-15%

2.4. Materials of Construction

<u>Components</u>	<u>Material Number</u>
Basket Bottom	1.4581
Basket Shell	1.4571
Bord Ring	1.4581
Basket Shaft	25 Cr Mo 4
Housing	St 52-3
Lining of Housing	2mm plate - 1.4571

2.4.1 Additional Information

Basket Serial No.	32467
Basket Calculation No.	32467
Basket Drawing No.	43 B 1750-01.703E/2592348
Type of Brake	Variable Frequency Drive
Reduction	1171 : 1150
Gastight Design	0.04 bar over pressure
Safety Devices	Door Lock and Door Interlocking System PMC Beta Vibration Monitor
Spring Body (Front)	G2-657
Spring Body (Rear)	G1-457
Visco Damper	V2
Electrical Components	Class I, Group D, Division 1

2.5. Motor Data

2.5.1 Drive Motor

Reliance 60 HP, 1800 RPM, 364 T Frame, TEFC-XT Motor, 1.0 SF, Class F Insulation, 3 Phase, 60 Hertz, 230/460 Volt, with one NC thermostat, rated for inverter duty

2.5.2 Hydraulic Power Unit Motor

Baldor 2 HP, 1800 RPM, 145 TC Frame, XPFC Type
3 Phase, 60 Hertz, 230/460 Volt

2.5.3 Bearing Lube Unit Motor

Baldor 1/2 HP, 1800 RPM, 56 TC Frame, XPNV Type
3 Phase, 60 Hertz, 230/460 Volt