



**BRY-AIR (ASIA) PVT. LTD.**

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**TECHNICAL  
 SPECIFICATION**

Bulletin : BAA:BHD-927.3  
 Effective : Oct. 01, 2008  
 Supersedes : BAA:BHD-927.2  
 Dated : Oct. 04, 2007

**PLASTIC DRYING SYSTEMS  
 BHD-SERIES**

**BHD-SERIES CABINET-STYLE DEHUMIDIFYING DRYERS  
 ALL BHD-SERIES FLOOR-MOUNT CABINET-STYLE DRYERS COME STANDARD WITH :**

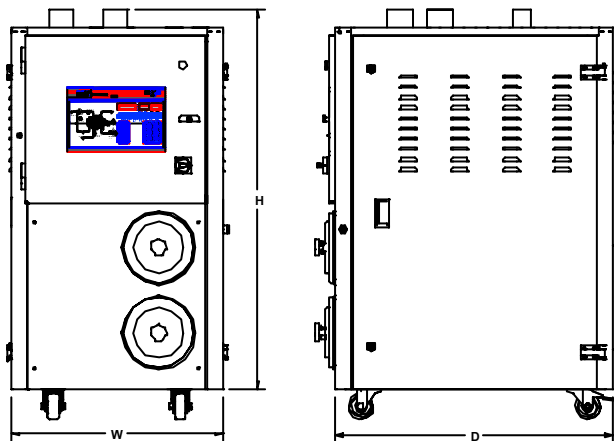
- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>◆ <b>HIGH EFFICIENCY AND RELIABILITY</b></li> <li>◆ A totally self contained unit.</li> <li>◆ Robust structural steel frame construction.</li> <li>◆ CNC fabricated unit(s) with powder coated finish.</li> <li>◆ Process air high temprature paper filter.</li> <li>◆ In built pre-cooler.</li> <li>◆ Rotor incorporates robust internal structure for industries quality and durability.</li> <li>◆ Rotor is non-flammable with organic &lt; 2%.</li> <li>◆ Hard face coating on rotor edge ensures long life ar good sealing for media and seals.</li> <li>◆ Process and reactivation air flow sectors are insulated.</li> <li>◆ Unique PTFE coated silicone flat seal.</li> <li>◆ <b>EASY TO OPERATE</b></li> <li>◆ BRY SMART (Microprocessor based controller) to supervise the operation, fault management along with display messaging of system</li> </ul> | <ul style="list-style-type: none"> <li>◆ RS 232 serial data interface to retrieve stored data in the data log.</li> <li>◆ Remote fault warning output to activate an audible alarm or warning lamp at a remote location.</li> <li>◆ Intelligent re-start following a power failure.</li> <li>◆ Programmable security code to provide unauthorized mishandling</li> <li>◆ Intelligent power circuit switching to minimize voltage drops in unit supply system</li> <li>◆ Alpha-numeric fault display</li> <li>◆ Real time clock/calendar.</li> <li>◆ Battery backup of settings</li> <li>◆ <b>EASY TO INSTALL</b></li> <li>◆ Castor wheel mounted cabinet for easy movement.</li> <li>◆ Versatile, easy to package and handle.</li> <li>◆ Small footprints; low volume/weight per CMH.</li> <li>◆ <b>OPTIONS</b></li> <li>◆ Digital Dew Point Meter</li> </ul> |
|---|---|

**SPECIFICATION SHEET FOR BHD - SERIES DRYERS**

MODEL	PROCESS AIR FLOW CMH	HOSE CONNEC-TION IN "	OUTLET TEMP. RANGE IN °C	PROCESS BLOWER KW	REACT BLOWER KW	BED DRIVE MOTOR KW	PROCESS HTR. KW.		REACT HEATER KW	DIMENSIONS IN MM		
							Std.	High Heat		W	D	H
*BHD-60	60	2	80-190	0.40	0.18	0.006	1.0	2.3	1.50	550	640	1300
BHD-120	120	3	80-190	0.90	0.40	0.006	2.1	4.6	2.75	820	1080	1475
BHD-170	170	4	80-190	1.75	0.40	0.006	3.0	6.5	3.75	820	1080	1475
BHD-225	225	4	80-190	2.20	0.40	0.006	3.9	8.5	5.00	820	1080	1475
BHD-300	300	4	80-190	5.50	0.75	0.006	5.2	11.4	6.75	820	1080	1475
BHD-400	400	6	80-190	5.50	0.90	0.025	7.0	15.2	9	1080	1300	1730
BHD-500	500	6	80-190	9.00	1.75	0.025	8.7	19.0	11.25	1080	1300	1730
BHD-750	750	6	80-190	9.00	2.20	0.025	13.1	28.5	18.00	1080	1300	1730

\* Indicates unit available in 230/1/50Hz only

**UNIT LAYOUT**



**ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE**

Documents No. :BAA:BHD-927.3

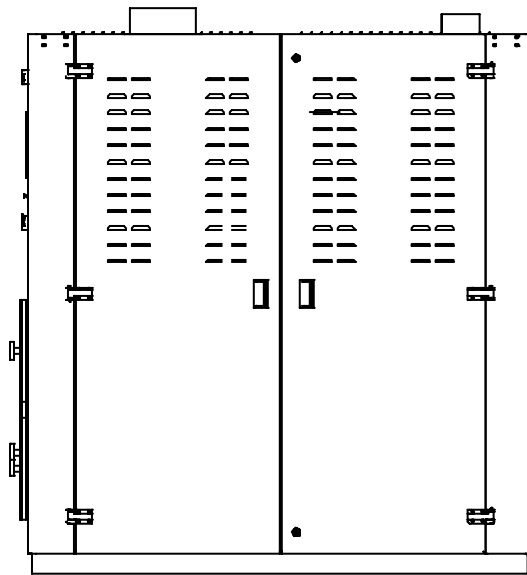
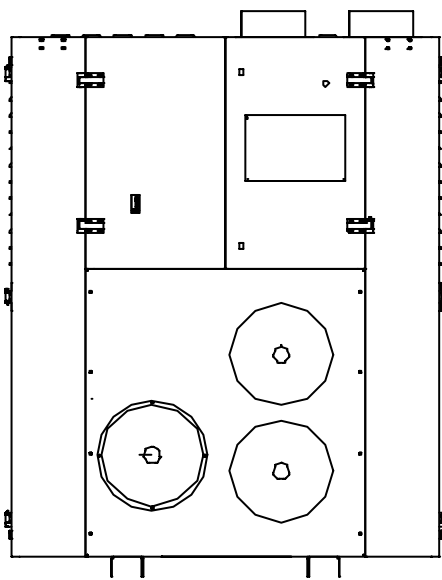
Date : OCT. 01, 2008



# SPECIFICATION SHEET FOR BHD (L) - SERIES DRYERS

MODEL	PROCESS AIR FLOW CMH	HOSE CONNEC- TION IN "	OUTLET TEMP. RANGE IN °C	PROCESS BLOWER KW	REACT BLOWER KW	BED DRIVE MOTOR WATT	PROCESS HTR. KW.		REACT HEATER KW	DIMENSIONS IN MM		
							Std.	High Heat		W	D	H
BHD-1250	1250	10	80-190	5.60	1.12	0.025	21.8	47.5	27.5	1645	1945	2180
BHD-1750	1750	10	80-190	7.50	1.12	0.025	30.6	66.5	38.5	1645	1945	2180
BHD-2500	2500	10	80-190	9.30	1.50	0.025	43.7	95.0	59.4	-	-	-
BHD-3500	3500	10	80-190	15.00	2.20	0.025	61.2	132.9	79.2	-	-	-

## UNIT LAYOUT



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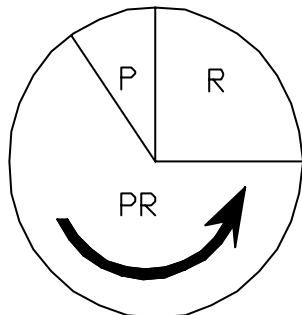
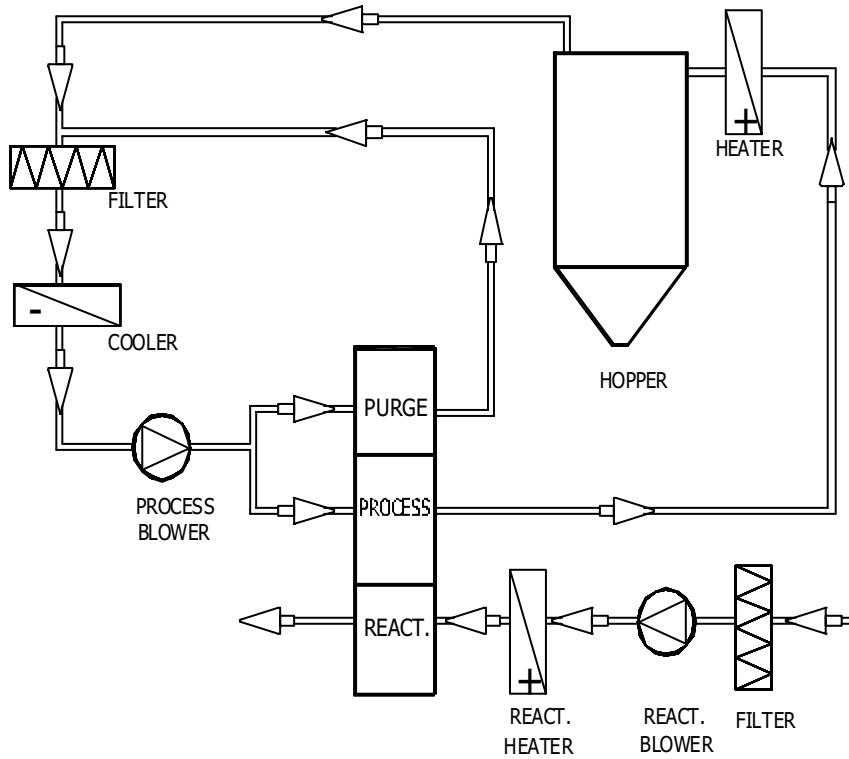
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**OPTION AVAILABILITY**

DESCRIPTION	AVAILABILITY												
	BHD-30	BHD-60	BHD-120	170	BHD-225	BHD-300	BHD-400	BHD-500	BHD-750	BHD-1000	1250	BHD-1750	BHD-2500
Dew Point Meter	← AVAILABLE →												
7 Day Timer	← AVAILABLE →												
Silicon Flexible Hose For High Heat Application	← AVAILABLE →												

**SYSTEM FLOW**



R = REACTIVATION  
P = PURGE  
PR = PROCESS

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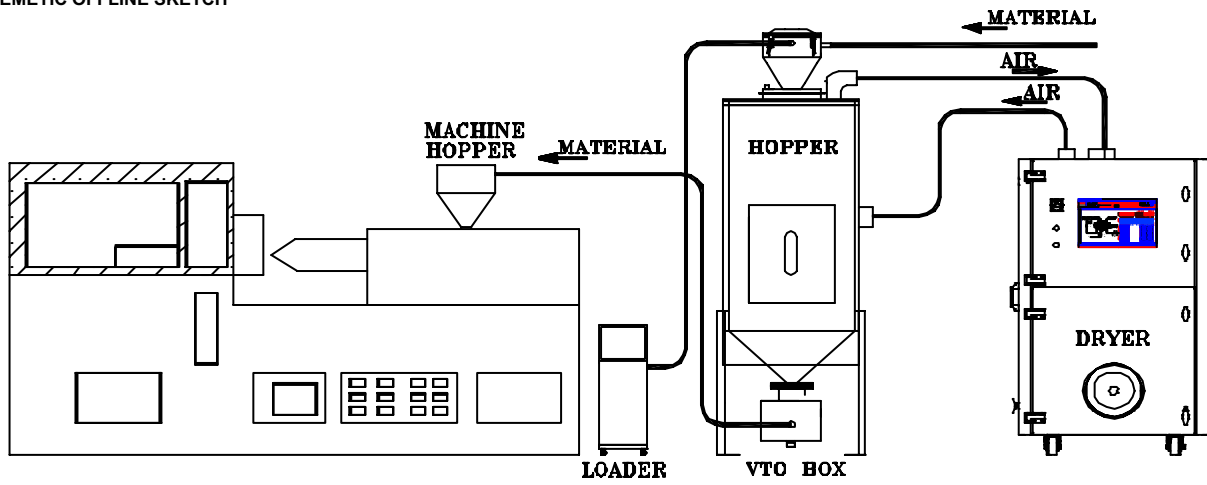
Page 3 of 4



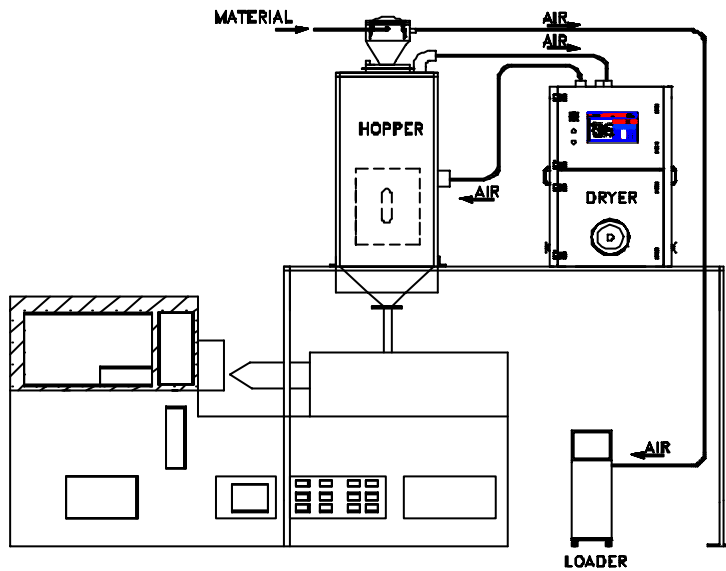
**DRYING RATES (Kg / Hr)**

RESIN TYPE	DRYING TEMP. °C	TIME Hours	BHD Models													
			BHD-30	BHD-60	BHD-120	BHD-170	BHD-225	BHD-300	BHD-400	BHD-500	BHD-750	BHD-1000	BHD-1250	BHD-1750	BHD-2500	BHD-3500
ABS	80-85	2-3	17	34	68	97	128	171	229	286	429	571	714	1000	1430	2000
PA6/6	70-90	5-6	12	24	48	68	90	120	160	200	300	400	500	700	1000	1400
PC	120	3-4	16	33	67	94	125	167	222	278	417	556	694	972	1390	1950
PET	160-180	4-5	12	24	48	68	90	120	160	200	300	400	500	700	1000	1400
PMMA	80	3-4	13	26	52	74	98	130	173	217	326	434	543	760	1086	1520
PPO	90-110	2-3	15	30	60	85	113	150	200	250	375	500	625	875	1250	1750
SAN	80	2-3	16	32	64	91	121	162	216	270	405	540	675	945	1351	1890
PBT	120-135	3-4	15	30	60	85	113	150	200	250	375	500	625	875	1250	1750
PLL/PSU	90-100	3-4	16	32	64	91	121	162	216	270	405	540	675	945	1351	1890

**SCHEMATIC OFFLINE SKETCH**



**SCHEMATIC ONLINE SKETCH**



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