

BRY-AIR (ASIA) PVT. LTD.

20, RAJPUR ROAD, DELHI - 110054 (INDIA)

PHONE : 91-11-23906666 FAX: 91-11-3906600

E-MAIL: enquire@pahwa.com, Web site: www.bryair.com

INDUSTRIAL DEHUMIDIFIER

P95X- SERIES

P95X WITH HIGH PERFORMANCE, *ECGDry* METAL SILICATE FLUTED DESICCANT SYNTHESISED ROTOR

FEATURE HIGHLIGHTS

- * **High efficiency and reliability**
- * **CE** Certified as per standard EN ISO12100-1:2003, EN ISO12100-2:2003, EN60204-1:2006+A1 2009
- * Meeting essential requirements of European directives
Low Voltage directive 2006/95/EC
machine directive 2006/42/EC, EMC : 2004/108/EC
- * A totally self contained unit.
- * Robust stainless steel frame with double skin construction, internal GI sheet.
- * CNC fabricated with industrial grade coating.
- * High moisture removal.
- * EU-4 grade leak tight filters for Air intakes.
- * Multiple choice of reactivation heat source:-
electrical, steam, thermic fluid, direct/indirect fired gas
- * In-bolt process by-pass for custom designing of process air flow or process temperature control
- * Easy addition of pre/after cooler, higher grade filter
- * Rotor incorporates robust internal structure with perimeter flange for industrial quality and durability.
- * Rotor perimeter flange extend media and seal life
- * Rotor is non-flammable with organic < 2%.
- * Edge hard face coating on rotor edge ensures long life and good sealing for media and seals.
- * Process and reactivation air flow sectors are insulated
- * Unique PTFE bonded bulb seal design; minimized air leakage

Easy to operate

- * Suitable for continuous operation
- * Auto / manual selector switch.
- * Volume control dampers for both (P&R) air flow

Easy to install

- * Versatile, easy to package and handle
- * Small footprints; low volume/weight per CMH

Easy to maintenance

- * Rotor is water washable
- * Quick serviceability and maintenance free-operation

Options

- * Humidity control by humidistat on/off
- * Stainless steel construction
- * Bry-Smart Controller

INDUSTRIAL DEHUMIDIFIER - P95X... SPECIFICATION

MODEL	PROCESS AIR FLOW CMH	PROCESS ESP (Pa.)	PROCESS MOTOR KW	REACT		REACT MOTOR KW	REACT * HEATER KW	POWER* REQD.	APPROX. WEIGHT (Kg)
				REACT AIR FLOW CMH	REACT ESP (Pa.)				
P95X 2500	2500	300	1.5	833	250	0.75	18	415 / 3 / 50	500
P95X 3000	3000	300	1.5	1000	250	0.75	23	415 / 3 / 50	500
P95X 4200	4200	300	2.2	1400	250	0.75	33	415 / 3 / 50	550
P95X 5000	5000	300	3.7	1667	250	0.75	40	415 / 3 / 50	550
P95X 6200	6200	300	2.2	2067	250	1.5	48	415 / 3 / 50	950
P95X 7300	7300	300	3.7	2433	250	1.5	56	415 / 3 / 50	950
P95X 8000	8000	300	3.7	2667	250	1.5	64	415 / 3 / 50	1025
P95X 9000	9000	300	3.7	3000	250	2.2	80	415 / 3 / 50	1050
P95X 10500	10500	300	3.7	3500	250	2.2	96	415 / 3 / 50	1050
P95X 15000	15000	300	5.5	5000	250	3.7	158	415 / 3 / 50	1650
P95X 25000	25000	300	11.0	8333	250	5.5	189	415 / 3 / 50	2200

* Note:- Other voltage available are 200/220/240/415/440/460 VAC, 3Ph, 50/60 Hz

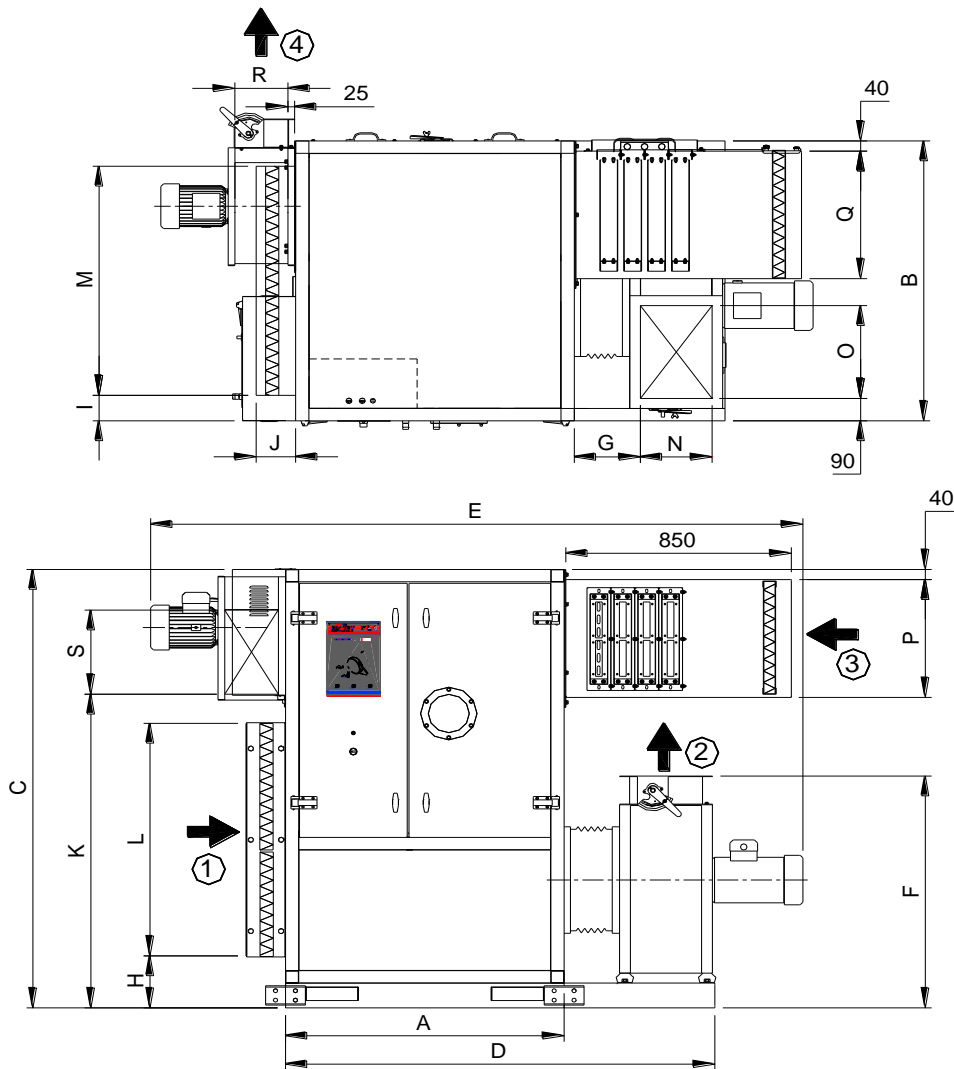
* Heater Design Voltage 210 VAC



ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE



DIMENSIONAL DATA & DUCT CONNECTION



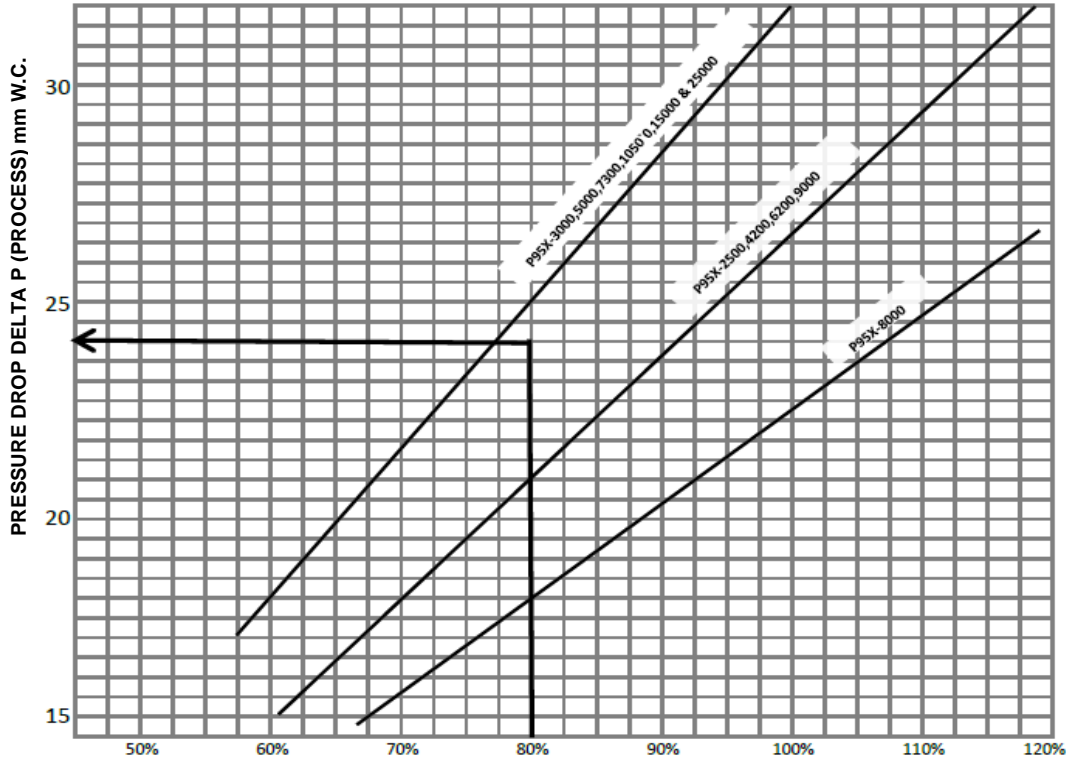
MODEL	UNIT DIMENSION DATA											PROCESS DUCT CONNECTION (mm)				REACTIVATION DUCT CONNECTION (mm)			
												INLET (1)		OUTLET (2)		INLET (3)		OUTLET (4)	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
P95X 2500	1050	1220	1770	1594	2600	876	249	210	103	150	1324	939	925	244	340	476	515	150	160
P95X 3000	1050	1220	1770	1594	2600	876	249	210	103	150	1324	939	925	244	340	476	515	150	160
P95X 4200	1050	1220	1770	1618	2600	936	249	210	103	150	1266	939	925	270	375	476	515	200	340
P95X 5000	1050	1220	1770	1618	2600	936	249	210	103	150	1266	939	925	270	375	476	515	200	340
P95X 6200	1050	1400	1950	1740	2600	1191	249	251	138	150	1448	1038	1030	390	552	476	617	200	340
P95X 7300	1050	1400	1950	1740	2600	1191	249	251	138	150	1448	1038	1030	390	552	476	617	200	340
P95X 8000	1050	1600	2150	1788	2730	1291	258	169	138	150	1481	1248	1235	438	614	631	619	268	375
P95X 9000	1050	1600	2150	1788	2730	1291	258	169	138	150	1481	1248	1235	438	614	631	619	268	375
P95X 10500	1050	1600	2150	1788	2730	1291	258	169	138	150	1481	1248	1235	438	614	631	619	268	375
P95X 15000	*	2212	2150	*	4200	*	*	*	*	*	*	*	*	*	*	*	*	*	*
P95X 25000	*	2512	2600	*	5900	*	*	*	*	*	*	*	*	*	*	*	*	*	*

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

Note:- * Dimensions on Request.



PRESSURE DROP CHART



% NOMINAL AIR FLOW
ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

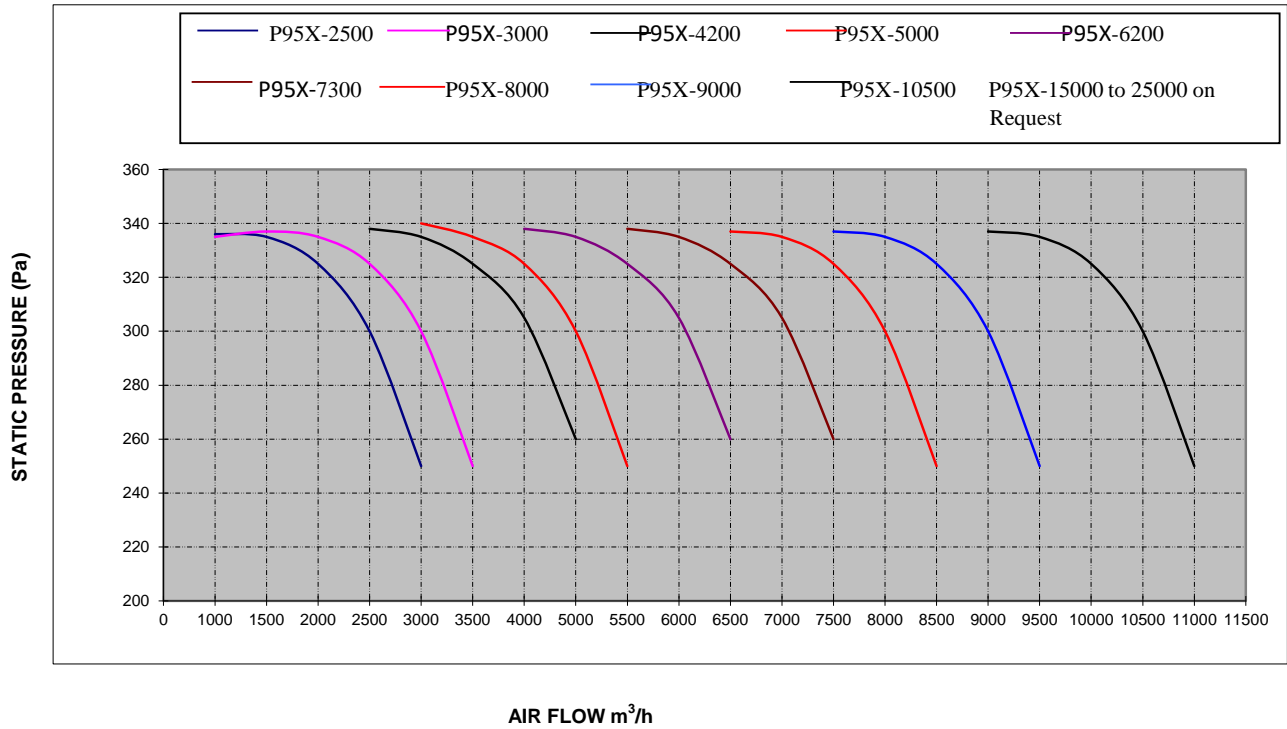
Example :-

Model P95X-5000
 Process air volume = 4000 m³/h
 Air volume = 80%
 DP (Process) = 24 mm w.c.



FAN PERFORMANCE CURVE P95X-SERIES

The fan performance curve are for inlet conditions at 20⁰C, density 1.2kg/m³



FEATURE OVERVIEW

	Items	Standard	Optional
Rotor :	High performance metal silicate	√	
	High performance metal silicate (High RH)		√
	High performance molecular sieve (Low RH)		√
Process :	High capacity synthetic nonwoven mesh filter	√	
	External box fitted with EU5 / filter		√
	External box fitted with EU7 / filter		√
	Higher static fan		√
	Process pre-cooler /after cooler.		√
Reactivation :	High capacity metallic mesh filter	√	
	External box fitted with EU5 / filter		√
	External box fitted with EU7 / filter		√
	Higher static fan		√
Energy :	Electric or steam reactivation	√	
	External box fitted with gas reactivation		√
Construction :	Cold drawn steel SS frame with GI internal screen & cold draw	√	
	Stainless steel		√
Control :	Single stage On/Off humidstat		√
	Proportional humidity sensor with SSR		√
	Bry-Smart control		√

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE

