

Over 100 Years of Quality  
Your partner in energy saving!



# Ducted Split Type R410a Fixed Speed



**DUNHAM-BUSH**  
AIR CONDITIONERS

**World renowned since 1906**

# Ducted Split Type - Technical Specifications



- Stylish design & easily programmable
- Anti-rust cathaphoric treatment
- Easy installation & maintenance
- Slim and compact, easily fits most ceiling voids
- 36kBTU unit available in single phase
- Standard wired remote controller with optional IR remote
- High performance compressor
- Solid, durable construction



Model	Outdoor Indoor	HP12HN HHS12HPN	HP18HN HHS18HPN	HP24HN HHS24HPN	HP36HN HHS36HPN	HP48HN HHS48HPN	HP60HN HHS60HPN	HP75HN HHS75HPN	HP100HN HHS100HPN	HP120HN HHS120HPN	HP150HN HHS150HPN	HP200HN HHS200HPN	
<b>Capacity</b>													
Cooling/Heating	Btu/h	12000 / 13000	18000 / 18500	24000 / 26000	36000 / 39000	48000 / 52000	60000 / 65000	76000 / 85300	96000 / 106000	120000 / 129700	150100 / 160300	192000 / 200000	
	kW	3.5 / 3.8	5.3 / 5.4	7.0 / 7.6	10.6 / 11.4	14.1 / 15.2	17.5 / 19.9	22.2 / 25	28.1 / 31.1	35 / 38	44 / 47	56.3 / 58.6	
<b>Electrical</b>													
Voltage/Frequency/Phase	V/Hz/Ph	220-240/50/1	←	←	380/50/3	←	←	←	←	←	←	←	
Power Input	Cooling/Heating W	1165 / 1150	2100 / 1810	2830 / 2450	4100 / 3600	5800 / 4800	6630 / 5300	7500 / 8300	9600 / 10300	11900 / 12700	16300 / 15700	22000 / 19300	
Operating Current	Cooling/Heating A	5.5 / 5.3	11.0 / 8.2	13.3 / 11.8	6.9 / 6.3	9.2 / 8.2	9.5 / 8.9	17.3 / 19.2	20.3 / 23.7	28.6 / 28	47.9 / 47	53.8 / 54	
<b>Performance</b>													
EER	W/W	3.02	2.51	2.48	2.57	2.43	2.65	2.97	2.93	2.94	2.7	2.56	
COP	W/W	3.3	3	3.11	3.17	3.18	3.59	3.01	3.02	2.99	2.99	3.04	
Airflow Volume - Indoor	m <sup>3</sup> /h @ Pa	800 @ 40	1170 @70	1800 @ 100	2400 @ 150	3000 @ 160	4000 @ 160	4500 @ 196	5100 @ 196	5400 @ 150	8500 @ 196	10600 @ 196	
Noise Level - Indoor/Outdoor (High)	dB(A)	43 / 55	44 / 54	48 / 59	56 / 61	58 / 63	57 / 63	56 / 68	←	58 / 69	63 / 70	65 / 73	
<b>Net Dimensions &amp; Weight</b>													
Indoor unit	WxHxD	mm	700x210x635	920x210x635	856x400x691	856x400x691	←	1200x400x691	1366x450x716	←	←	1828x668x858	1828x668x858
Outdoor unit	WxHxD	mm	780x540x250	760x590x285	845x700x320	990x965x345	←	900x1170x350	1255x908x700	←	←	1250x1615x765	1390x1615x765
Net Weight	Indoor / Outdoor	kg	20 / 28	24 / 38	41 / 49	47 / 81	52 / 90	63 / 97	94 / 174	96 / 187	97 / 201	188 / 288	235 / 320
<b>Packaging Dimensions &amp; Gross Weight</b>													
Indoor unit	WxHxD	mm	915x290x655	1135x290x655	1090x440x768	1090x440x768	←	1436x440x768	1555x500x875	←	←	2095x800x964	2095x800x964
Outdoor unit	WxHxD	mm	910x585x335	887x645x355	965x755x395	1120x1100x435	←	1032x1307x443	1320x1060x730	←	←	1305x1709x820	1455x1790x830
Gross weight	Indoor / Outdoor	kg	25 / 30	28 / 40	47 / 52	53 / 92	57 / 95	70 / 108	106 / 193	108 / 204	109 / 217	200 / 308	250 / 336
<b>Piping Connections</b>													
Liquid side (HP)	mm (inch)	6.35 (1/4")	6.35 (1/4")	9.53 (3/8")	9.53 (3/8")	←	←	9.53 (3/8")	9.53 (3/8")	12.7 (1/2")	16 (5/8")	←	
Gas side (LP)	mm (inch)	12.7 (1/2")	12.7 (1/2")	16.0 (5/8")	19 (3/4")	←	←	22 (7/8")	25 (1 1/8")	28.6 (1 1/8")	35 (1 3/8")	←	
Max Length	m	15	25	←	30	50	←	50	←	←	←	←	
Max Height	m	8	15	←	20	25	←	30	←	←	←	←	

**Remarks** Cooling capacities are based on indoor air temp. 27°C DB, 19°C WB and outdoor air temp. 35°C DB, 24°C WB  
The above specifications are subject to change without prior notice for product improvement.



Dunham-Bush International (Africa) (Pty) Ltd  
 57 Sovereign Drive  
 Route 21 Corporate Park  
 Irene SOUTH AFRICA  
 Tel: +27 12 345 4202  
 Fax: +27 12 345 4203  
 PO Box 1431 Wingate Park  
 0153 SOUTH AFRICA  
 e-mail: info@dunham-bush.co.za

Dealer: