

Standard Products – 50Hz Horizontal Open Fixed Speed



50Hz 400V Three Phase Horizontal Open Fixed Speed models HV22 PEAS to HV45 PEAS, 10 bar

Performance Data	HV22(PEAS)	HV30(PEAS)	HV37(PEAS)	HV45(PEAS)
Free Air Delivery* @ 10 bar	49.3 l/s (104.3 cfm)	71.8 l/s (152.2 cfm)	84.5 l/s (179.0 cfm)	109.0 l/s (231.0 cfm)
Compressor Details	HV22(PEAS)	HV30(PEAS)	HV37(PEAS)	HV45(PEAS)
Noise level	78.0 dB(A)	82.0 dB(A)	84.0 dB(A)	85.0 dB(A)
Nominal power	22.0 kW	30.0 kW	37.0 kW	45.0 kW
Operating Controls	Continuous Run, Automatic Stop/Start, Reduced Energy Venting System			
Rotation Speed (Direct Drive)	1450 rpm			
Ambient Temperature Range	0 - 40 °C			
Air Discharge Temperature (above ambient)	< 10 °C			
Electrical Data	HV22(PEAS)	HV30(PEAS)	HV37(PEAS)	HV45(PEAS)
Starter	Star Delta			
Electrical supply	3ph-400V/50Hz			
Suggested Incoming Supply Cable	10.0 mm²	16.0 mm²	50.0 mm²	50.0 mm²
110% Full Load Current	91.7 A	73.7 A	88.8 A	104.5 A
Motor and Fan Data	HV22(PEAS)	HV30(PEAS)	HV37(PEAS)	HV45(PEAS)
IE2 motor efficiency @ 100% duty	91.6%	92.3%	92.7%	93.1%
Drive efficiency	n/a			
Capacities and dimensions	HV22(PEAS)	HV30(PEAS)	HV37(PEAS)	HV45(PEAS)
Oil Capacity	9.0 litres	23.0 litres		
Approved compressor oil	Fluid Force Red 2000 (mineral), Option HPO (Synthetic)			
Air quality	< 3 ppm			
Air outlet size	1" BSP female		1 1/2" BSP female	
Overall Length	1090 mm	812 mm	1365 mm	892 mm
Overall Depth	792 mm		1106 mm	
Overall Height	906 mm	860 mm	1106 mm	
Overall Weight	439 kg	606 kg	713 kg	734 kg

*Data assumes Hydrovane recommended service intervals, oils and spare parts are used. *FAD according to BS 5502/17 2008 Annex B, C and E.

Issue 4

Hydrovane Hv45 Manual

M Lipman



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Table of Contents Hydrovane Hv45 Manual

1. Understanding the eBook Hydrovane Hv45 Manual
 - The Rise of Digital Reading Hydrovane Hv45 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Hydrovane Hv45 Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Hydrovane Hv45 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Hydrovane Hv45 Manual
 - Personalized Recommendations
 - Hydrovane Hv45 Manual User Reviews and Ratings
 - Hydrovane Hv45 Manual and Bestseller Lists
5. Accessing Hydrovane Hv45 Manual Free and Paid eBooks
 - Hydrovane Hv45 Manual Public Domain eBooks
 - Hydrovane Hv45 Manual eBook Subscription Services
 - Hydrovane Hv45 Manual Budget-Friendly Options

6. Navigating Hydrovane Hv45 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Hydrovane Hv45 Manual Compatibility with Devices
 - Hydrovane Hv45 Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Hydrovane Hv45 Manual
 - Highlighting and Note-Taking Hydrovane Hv45 Manual
 - Interactive Elements Hydrovane Hv45 Manual
8. Staying Engaged with Hydrovane Hv45 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Hydrovane Hv45 Manual
9. Balancing eBooks and Physical Books Hydrovane Hv45 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Hydrovane Hv45 Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Hydrovane Hv45 Manual
 - Setting Reading Goals Hydrovane Hv45 Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Hydrovane Hv45 Manual
 - Fact-Checking eBook Content of Hydrovane Hv45 Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

- Interactive and Gamified eBooks

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